



# CONNECTING SOLUTIONS

2008-2009  
**Catalogue**

Industrial connections

Earthing connections

Heatshrinkable

Cable ties and accessories

Tooling and accessories

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## High performance companies at your service



Mecatraction (France) and SBI (Spain) have joined their strengths to design, develop and manufacture a wide range of components for industrial electrical connections and matched tooling.

A policy built on performance, service and quality has enabled us to obtain the following certifications: AFAQ ISO9001 and AQF for railways, automotive, aeronautics...

## A complete range of products

Through constant improvement and innovation we offer a range of products suited to the needs of the international market IEC, UL-CSA, DIN, NF, BS...



Industrial connections



Earthing and mechanical connectors



Heatshrink tubing



Cable ties and accessories



Tooling

## Specific ranges



Chain terminals



Connections for railways



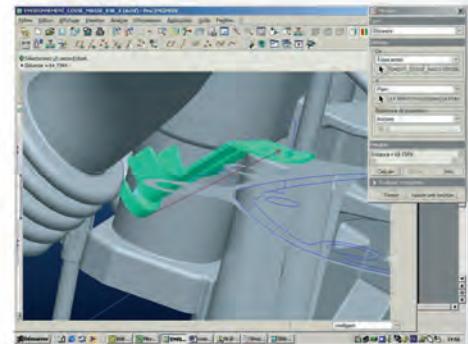
Connections for automotive



Connections for aeronautics and space



Connections for domestic appliances



Research and design



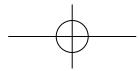
High speed presses



160 T double sided press



Assembly machines



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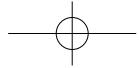
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## Earthing connections and mechanical connectors

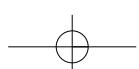
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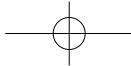
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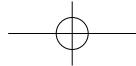
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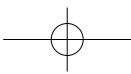
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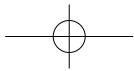


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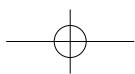
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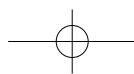
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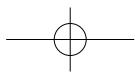
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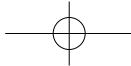


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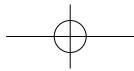
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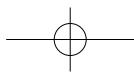
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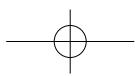


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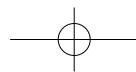
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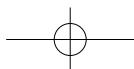
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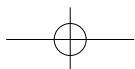
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SB2-10 .....	25	SF 810 .....	107	SRGA1-3,5.....	29	THA10.....	50	U13MJ0E.....	194
SB2-5 .....	25	SF 810 CNM .....	108	SRGA1-4.....	29	THA3,7.....	50	U13MJ1E.....	194
SB2-6 .....	25	SF 86 .....	107	SRGA2-4.....	29	THA4.....	50	U13MJ2E.....	194
SB2-8 .....	25	SF 86 + BM .....	107	SRGA2-5.....	29	THA5.....	50	U13MJ4E.....	194
SB-3.....	25	SF 86 CNM .....	108	SRGA2-6.....	29	THA6.....	50	U13MR120.....	193
SB-3,5.....	25	SF 87 .....	107	SRGB0-3.....	29	THA8.....	50	U13MR150.....	193
SBE0-4 .....	30	SF 87 CNM .....	108	SRGB0-4.....	29	THB10.....	50	U13MR185.....	193
SBE-3 .....	30	SF 88 .....	107	SRGB1-3.....	29	THB3,7.....	50	U13MR240.....	193
SC 120E CM.....	184	SF 88 CNM .....	108	SRGB1-4.....	29	THB4.....	50	U13MR50.....	193
SC 120K CM.....	184	SF1184.....	35	SRGB1-5.....	29	THB5.....	50	U13MR70.....	193
SC 120X CM.....	184	SFFA 4 .....	38/98	SRGB2-4.....	29	THB6.....	50	U13MR95.....	193
SC1-3 .....	25	SFFB 4 .....	38	SRGB2-5.....	29	THB8.....	50	U13X260.....	191
SC1-4 .....	25	SFFB 5 .....	38/98	SRGB2-6.....	29	THC10.....	50	U21CC150 (direct).....	191
SC1-5 .....	25	SFMA 4 .....	38/98	SRGC0-3.....	29	THC12.....	50	U21CC185 (direct).....	191
SC1-6 .....	25	SFMF 4 .....	38	SRGC0-4.....	29	THC4.....	50	U21CC95 (direct).....	191
SC2-10 .....	25	SFMB 5 .....	38/98	SRGC1-4.....	29	THC5.....	50	U21E135 (direct).....	192
SC2-12 .....	25	SH 250 .....	195	SRGC1-5.....	29	THC6.....	50	U21E160 (direct).....	192
SC2-5 .....	25	SH 80E CM.....	179	SRGC1-6.....	29	THC8.....	50	U21E250 direct .....	192
SC2-6 .....	25	SH 80K CM.....	179	SRGFA1-3.....	27	THFA3,7.....	50	U21E260 (direct).....	192
SC2-8 .....	25	SH 80X CM.....	179	SRGFA1-3,5.....	27	THFA4.....	50	U21E280 (direct).....	192
SCE1-4 .....	30	SHS 1500 .....	158	SRGFA1-4.....	27	THFA5.....	50	U21E285 direct .....	192
SCE1-5 .....	30	SK 30-70 E CM .....	207	SRGFA2-4.....	27	THFB3,7.....	50	U21HCT116.....	192
SCN60 .....	174	SK 30-70 K CM .....	207	SRGFA2-5.....	27	THFB4.....	50	U21HCT147.....	192
SDC60 .....	176	SK 30-70 X CM .....	207	SRGFA2-6.....	27	THFB5.....	50	U21HCT181.....	192
SE 2-120 .....	114	SOUD 05 .....	53	SRGFB0-3.....	27	THFC4.....	50	U21HCT75.....	192
SE 2-120 P .....	114	SOUD 10 .....	53	SRGFB0-4.....	27	THFC5.....	50	U21HCU300 direct .....	191
SE 2-120 S .....	114	SOUD 25 .....	53	SRGFB1-3.....	27	THFC6.....	50	U21HCU400 direct .....	191
SE 2-240 .....	114	SOUD 60 .....	53	SRGFB1-4.....	27	THOA6,35 .....	51	U21HCU500 direct .....	191
SE 2-240 P .....	114	SPFA-3 .....	31	SRGFB1-5.....	27	THQAP6,35 .....	51	U21HCU630 direct .....	191
SE 2-25 .....	114	SPFA-3 R* .....	31	SRGFB2-4.....	27	THQB6,35 .....	51	U21MC5E .....	193
SE 2-25 P .....	114	SPFB-3 .....	31	SRGFB2-5.....	27	THQB6P,35 .....	51	U21MJ5E + (direct).....	194
SE 2-50 .....	114	SPFB-3 R* .....	31	SRGFB2-6.....	27	THQC6,35 .....	51	U21MR300 (direct).....	193
SE 2-50 P .....	114	SPF-4 R* .....	31	SRGFC0-3 .....	27	THQCP6,35 .....	51	U21MR400 (direct).....	193
SE 2-50 S .....	114	SPFC-3,9 R* .....	31	SRGFC0-4 .....	27	THOMA6,35 .....	51	U21U13 .....	191/192/193/194
SE 2-75 .....	114	SPM 4095 E .....	198	SRGFC1-4 .....	27	THQMB6,35 .....	51	UNISERT .....	155
SE 2-75 P .....	114	SPM 4095 K .....	198	SRGFC1-5 .....	27	THQMC6,35 .....	51	VAL 22 CR .....	198
SE 2-75-5 P .....	114	SPM 4095 X .....	198	SRGFC1-6 .....	27	TMTC 1 .....	38	VAL 29 .....	198
SEPT 12 E .....	199	SPRA-1,6 .....	31	SRU 210E .....	190	TMTC 2 .....	38	VER .....	142
SEPT 12 X .....	199	SPRA-1,6 C .....	31	SRU 210K .....	190	TMTC 3 .....	38	VER A .....	142
SERCOL .....	145	SPRB-2,3 .....	31	SRU 210X .....	190	TN 120 HX .....	168	VT 7 .....	142
SETCT5PLUS .....	156	SPRC-3,5 .....	31	STB1050M .....	146	TN 120 HXCU .....	168	VT 7 A .....	142
SF 1010 .....	107	SPT 35-220 ECB .....	199	STB1050S .....	146	TN 120 HXD .....	168		
SF 1010 .....	107	SPT 35-220 KCB .....	199	STB152M .....	146	TN 120 HXE .....	168		
SF 106 .....	107	SPT 35-220 XCB .....	199	STB200M .....	146	TN50HX .....	168		
SF 106 .....	107	SPT20-586ECM .....	198	STB200S .....	146	TN50HXCU .....	168		
SF 107 .....	107	SPT20-586KCM .....	198	STB360M .....	146	TN50HDX .....	168		
SF 107 CNM .....	108	SPT20-586XCM .....	198	STB360S .....	146	TN50HDXDE .....	168		
SF 108 .....	107	SQA2,8-3 .....	32	STB520M .....	146	T-WDT .....	165		
SF 108 CNM .....	108	SQA2,8-5 .....	32	STB520S .....	146	U 137 C12 .....	186/187		
SF 1210 .....	107	SQA2,8-8 .....	32	STB680M .....	146	U13CC95 .....	191		
SF 1210 CNM .....	108	SQA4,7-8 .....	32	STB680S .....	146	U13E100 (18) .....	192		
SF 126 .....	107	SQA5 .....	32	STB840M .....	146	U13E120 .....	192		
SF 126 .....	107	SQA-5N .....	32	STB840S .....	146	U13E120 (18) .....	192		
SF 126 CNM .....	108	SQA-6,35 .....	32/98	STG200 .....	146	U13E140 (15) .....	192		
SF 127 .....	107	SOAP2,8-5 .....	33	STRIPOMATIC .....	208	U13E140 (29) .....	191		



# Connecting solutions

## Key rules for crimping

### The 5 key elements

An electrical connection must be electrically and mechanically sound. A complete system (terminal block, electric motor, automation, lighting...) depends upon the quality of this connection. In order to ensure the integrity of the final assembly (5), the product, the preparation, and the crimping operations should be implemented according to the key rules and by taking into account the first 4 essential key elements:

A quality crimp termination suited to the application



1

An electric cable correctly stripped and matched to the application



2

A quality crimping tool matched to both termination and conductor



3

An operator with experience in crimping techniques



4



5

### General features of a crimped electrical connection

A crimped electrical connection provides the link between a cable and the electrical equipment.

The main features of these connections are:

- Excellent conductivity
- Good tensile strength
- Good corrosive resistance
- Good resistance to vibration
- No voltage drop or rise in temperature

### Qualification of a crimped termination

#### Mechanical tests



TENSILE STRENGTH



VIBRATION RESISTANCE

INSERTION  
EXTRACTION (1)



(1) For disconnects and tabs

#### Electrical tests

VOLTAGE DROP

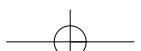


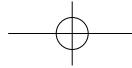
VOLTAGE STRENGTH (2)



(2) For preinsulated terminals

INCREASE IN  
TEMPERATURE





# Connecting solutions

## Key rules for crimping

### Crimping of preinsulated terminals

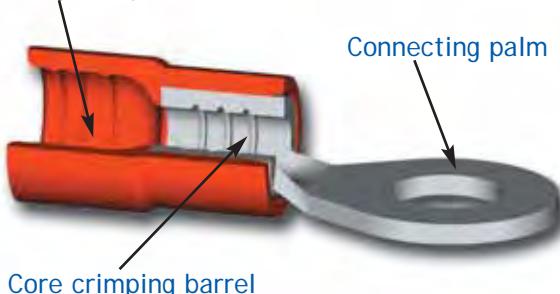
#### Cables

Cable correctly stripped



#### Types of preinsulated terminals

'Easy entry' insulation

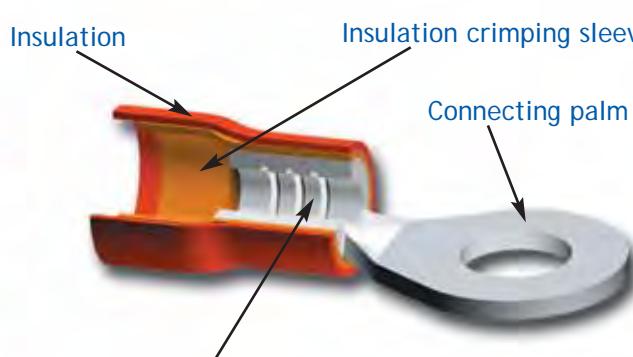


#### SINGLE CRIMP

Insulation

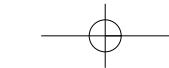
Insulation crimping sleeve

Connecting palm



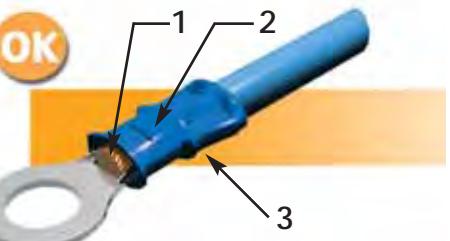
#### DOUBLE CRIMP

'Double crimp' type is particularly suited to electrical connections suffering stress or vibrating stress



#### Crimping

Terminal correctly crimped



- 1- Conductor strands protruding approximately 1 mm
- 2- Colour code marking
- 3- Flange from 1 to 1.5 mm

Conductor insufficiently stripped



Crimped off centre



Crimped off centre

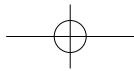


Tool presented incorrectly



Cable over stripped, difficult to assemble on the tab





# Connecting solutions

## Key rules for crimping

### Crimping of copper tubular lugs

#### Cables

Cable correctly stripped



Insulation poorly stripped



Cable strands damaged or cut



Cable strands not twisted



Cable strands over twisted



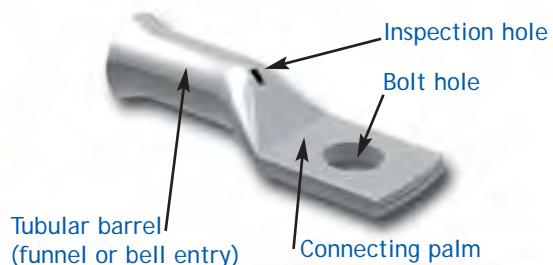
Insulation particles on cable core



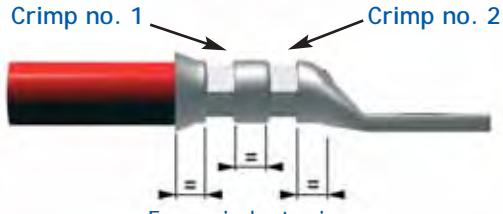
Cable insulation damaged



#### Visual inspection



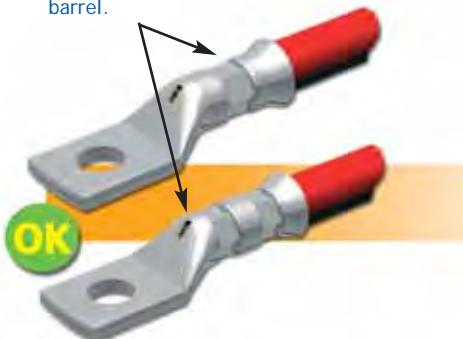
Example of a hexagonal crimp



#### Crimping

Terminals correctly crimped

Cable strands viewed through inspection hole. Cable correctly stripped and sufficiently introduced into the barrel, crimping mark correctly centred on the barrel.



Cable not fully inserted



Crimped off centre



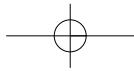
Crimped off centre

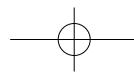


Incorrect or damaged die, handles appear



Crimps incorrectly positioned





# Industrial electrical connections



Preinsulated terminals



XX

End sleeves



XX

Disconnects, tabs and housings



XX

Copper tubular lugs  
and butt connectors



XX

Copper aluminium lugs



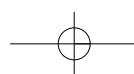
XX

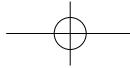
Special products



XX

Industrial electrical connections





# Industrial electrical connections

## Preinsulated ring terminals



Compliant with IEC 352-2

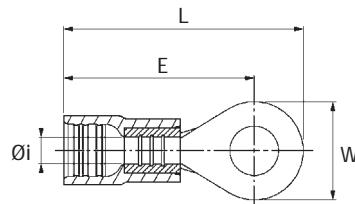
### General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- "N" single crimp series:
  - Polyamide insulation.
  - Easy entry.
  - Flammability rating : UL 94V2.
  - Halogen free.

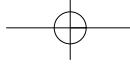
**N series**  
Insulation and terminal

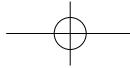


### N series



Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
<b>0.34 - 1.5</b>	7 210 000	NA-3	7 210 003	B100NA-3	3.6	3	5.6	1.7	14.5	17.3
	7 210 001	NA-3,5	7 210 002	B100NA-3,5	3.6	3.5	5.6	1.7	14.5	17.3
	7 210 026	NA0-3	7 210 027	B100NA0-3	3.6	3	7	1.7	17	20.5
	7 210 030	NA0-4	7 210 029	B100NA0-4	3.6	4	7	1.7	17	20.5
	7 210 043	NA0-5	7 210 044	B100NA0-5	3.6	5	7	1.7	17	20.5
	7 210 021	NA1-3	7 210 022	B100NA1-3	3.6	3	8	1.7	17	21
	7 210 024	NA1-3,5	7 210 025	B100NA1-3,5	3.6	3.5	8	1.7	17	21
	7 210 031	NA1-4	7 210 032	B100NA1-4	3.6	4	8	1.7	17	21
	7 210 041	NA1-5	7 210 042	B100NA1-5	3.6	5	8	1.7	17	21
	7 210 061	NA2-5	7 210 062	B100NA2-5	3.6	5	12.5	1.7	20.7	27
	7 210 071	NA2-6	7 210 072	B100NA2-6	3.6	6	12.5	1.7	20.7	27
	7 210 081	NA2-8	7 210 082	B100NA2-8	3.6	8	12.5	1.7	20.7	27
	7 210 083	NA2-10	7 210 084	B100NA2-10	4	10	13.6	1.7	23.5	30.3
<b>1.0 - 2.5</b>	7 210 090	NB-3	7 210 095	B100NB-3	4.3	3	5.6	2.4	14.2	17
	7 210 088	NB-3,5	7 210 087	B100NB-3,5	4.3	3.5	5.6	2.4	14.2	17
	7 210 096	NB0-4	7 210 098	B100NB0-4	4.3	4	8	2.4	17	21
	7 210 097	NB0-5	7 210 099	B100NB0-5	4.3	5	8	2.4	17	21
	7 210 091	NB1-3	7 210 092	B100NB1-3	4.3	3	8.6	2.4	16.7	21
	7 210 101	NB1-4	7 210 102	B100NB1-4	4.3	4	8.6	2.4	16.7	21
	7 210 111	NB1-5	7 210 112	B100NB1-5	4.3	5	8.6	2.4	16.7	21
	7 210 121	NB1-6	7 210 122	B100NB1-6	4.3	6	8.6	2.4	16.7	21.3
	7 210 141	NB2-5	7 210 142	B100NB2-5	4.3	5	12.5	2.4	20.7	27
	7 210 151	NB2-6	7 210 152	B100NB2-6	4.3	6	12.5	2.4	20.7	27
	7 210 161	NB2-8	7 210 162	B100NB2-8	4.3	8	12.5	2.4	20.7	27
	7 210 163	NB2-10	7 210 164	B100NB2-10	4.8	10	13.6	2.4	20.7	30.3
<b>2.6 - 6</b>	7 210 171	NC1-3	7 210 173	B100NC1-3	6.4	3	9.6	3.3	22.2	27
	7 210 181	NC1-4	7 210 180	B100NC1-4	6.4	4	9.6	3.3	22.2	27
	7 210 191	NC1-5	7 210 190	B100NC1-5	6.4	5	9.6	3.3	22.2	27
	7 210 201	NC1-6	7 210 200	B100NC1-6	6.4	6	9.6	3.3	22.2	27
	7 210 215	NC2-5	7 210 219	B100NC2-5	6.4	5	13.8	3.3	25.1	32
	7 210 211	NC2-6	7 210 210	B100NC2-6	6.4	6	13.8	3.3	25.1	32
	7 210 221	NC2-8	7 210 220	B100NC2-8	6.4	8	13.8	3.3	25.1	32
	7 210 231	NC2-10	7 210 236	B100NC2-10	6.4	10	13.8	3.3	25.1	32
	7 210 234	NC2-12	7 210 237	B100NC2-12	6.4	12	19.5	3.3	30	40





# Industrial electrical connections

## Preinsulated ring terminals



Compliant with IEC 352-2

### General features

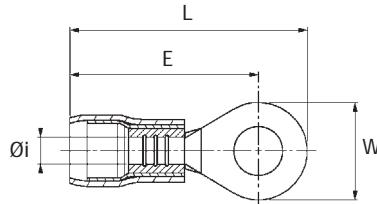
- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- "S" double crimp series:
  - Special PVC insulation, high mechanical and dielectric resistance.
  - Copper sleeve for crimping insulation giving better resistance to vibration.
  - Flammability rating: UL 94V0.

### S series

Insulation with copper sleeve and terminal

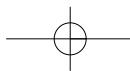


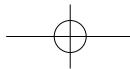
### S series



Tooling : see pages 148-149

Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5	7 220 020	SA-3	7 220 017	B100SA-3	3.6	3	5.6	1.7	14.5	17.3
	7 220 025	SA-3,5	7 220 026	B100SA-3,5	3.6	3.5	5.6	1.7	14.5	17.3
	7 220 018	SA0-3	7 220 019	B100SA0-3	3.6	3	7	1.7	17	20.5
	7 220 030	SA0-4	7 220 029	B100SA0-4	3.6	4	7	1.7	17	20.5
	7 220 040	SA0-5	7 220 043	B100SA0-5	3.6	5	7	1.7	17	20.5
	7 220 021	SA1-3	7 220 027	B100SA1-3	3.6	3	8	1.7	17	21
	7 220 024	SA1-3,5	7 220 022	B100SA1-3,5	3.6	3.5	8	1.7	17	21
	7 220 031	SA1-4	7 220 032	B100SA1-4	3.6	4	8	1.7	17	21
	7 220 041	SA1-5	7 220 042	B100SA1-5	3.6	5	8	1.7	17	21
	7 220 051	SA2-5	7 220 052	B100SA2-5	3.6	5	12.5	1.7	20.7	27
	7 220 061	SA2-6	7 220 062	B100SA2-6	3.6	6	12.5	1.7	20.7	27
	7 220 071	SA2-8	7 220 072	B100SA2-8	3.6	8	12.5	1.7	20.7	27
	7 220 073	SA2-10	7 220 074	B100SA2-10	4	10	13.6	1.7	23.5	30.3
1.0 - 2.5	7 220 080	SB-3	7 220 079	B100SB-3	4.3	3	5.6	2.4	14.2	17
	7 220 084	SB-3,5	7 220 085	B100SB-3,5	4.3	3.5	5.6	2.4	14.2	17
	7 220 094	SB0-4	7 220 096	B100SB0-4	4.3	4	8	2.4	17	21
	7 220 100	SB0-5	7 220 104	B100SB0-5	4.3	5	8	2.4	17	21
	7 220 081	SB1-3	7 220 082	B100SB1-3	4.3	3	8.6	2.4	16.7	21
	7 220 091	SB1-4	7 220 092	B100SB1-4	4.3	4	8.6	2.4	16.7	21
	7 220 101	SB1-5	7 220 102	B100SB1-5	4.3	5	8.6	2.4	16.7	21
	7 220 111	SB1-6	7 220 112	B100SB1-6	4.3	6	8.6	2.4	16.7	21.3
	7 220 121	SB2-5	7 220 122	B100SB2-5	4.3	5	12.5	2.4	20.7	27
	7 220 131	SB2-6	7 220 132	B100SB2-6	4.3	6	12.5	2.4	20.7	27
	7 220 141	SB2-8	7 220 142	B100SB2-8	4.3	8	12.5	2.4	20.7	27
	7 220 143	SB2-10	7 220 144	B100SB2-10	4.8	10	13.6	2.4	20.7	30.3
2.6 - 6	7 220 151	SC1-3	7 220 153	B100SC1-3	6.4	3	9.6	3.3	22.2	27
	7 220 161	SC1-4	7 220 160	B100SC1-4	6.4	4	9.6	3.3	22.2	27
	7 220 171	SC1-5	7 220 170	B100SC1-5	6.4	5	9.6	3.3	22.2	27
	7 220 181	SC1-6	7 220 183	B100SC1-6	6.4	6	9.6	3.3	22.2	27
	7 220 190	SC2-5	7 220 188	B100SC2-5	6.4	5	13.8	3.3	25.1	32
	7 220 191	SC2-6	7 220 193	B100SC2-6	6.4	6	13.8	3.3	25.1	32
	7 220 201	SC2-8	7 220 203	B100SC2-8	6.4	8	13.8	3.3	25.1	32
	7 220 211	SC2-10	7 220 213	B100SC2-10	6.4	10	13.8	3.3	25.1	32
	7 220 214	SC2-12	7 220 216	B100SC2-12	6.4	12	19.5	3.3	30	40





# Industrial electrical connections

## Preinsulated fork terminals



Compliant with IEC 352-2

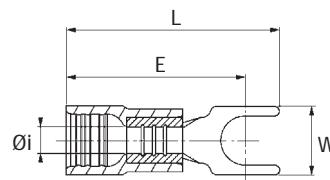
### General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- "N" single crimp series:
  - Polyamide insulation.
  - Easy entry.
  - Flammability rating: UL 94V2.
  - Halogen free.

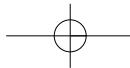
**N series**  
Insulation and terminal

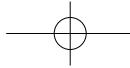


### N series



Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5	7 212 011	NRGFA1-3	7 212 012	B100NRGFA1-3	3.6	3	5.5	1.7	16.3	20
	7 212 021	NRGFA1-3,5	7 212 022	B100NRGFA1-3,5	3.6	3.5	5.5	1.7	16.3	20
	7 212 031	NRGFA1-4	7 212 032	B100NRGFA1-4	3.6	4	6.5	1.7	16.3	20
	7 212 041	NRGFA2-4	7 212 042	B100NRGFA2-4	3.6	4	8	1.7	16.4	20
	7 212 051	NRGFA2-5	7 212 052	B100NRGFA2-5	3.6	5	8	1.7	16.4	20
	7 212 061	NRGFA2-6	7 212 062	B100NRGFA2-6	3.6	6	8	1.7	16.4	20
1.0 - 2.5	7 212 071	NRGFB0-3	7 212 072	B100NRGFB0-3	4.3	3	6.4	2.4	16.5	20.5
	7 212 081	NRGFB0-4	7 212 082	B100NRGFB0-4	4.3	4	6.4	2.4	16.5	20.5
	7 212 091	NRGFB1-3	7 212 092	B100NRGFB1-3	4.3	3	7.9	2.4	16.5	20.5
	7 212 101	NRGFB1-4	7 212 102	B100NRGFB1-4	4.3	4	7.9	2.4	16.5	20.5
	7 212 111	NRGFB1-5	7 212 112	B100NRGFB1-5	4.3	5	7.9	2.4	16.5	20.5
	7 212 121	NRGFB2-4	7 212 122	B100NRGFB2-4	4.3	4	9.5	2.4	18.8	23
2.6 - 6	7 212 131	NRGFB2-5	7 212 132	B100NRGFB2-5	4.3	5	9.5	2.4	18.8	23
	7 212 141	NRGFB2-6	7 212 142	B100NRGFB2-6	4.3	6	9.5	2.4	19	23
	7 212 151	NRGFC0-3	7 212 153	B100NRGFC0-3	6.4	3	6.7	3.3	24	26.4
	7 212 161	NRGFC0-4	7 212 163	B100NRGFC0-4	6.4	4	6.7	3.3	24	26.4
	7 212 171	NRGFC1-4	7 212 173	B100NRGFC1-4	6.4	4	9.5	3.3	21.9	26.1
	7 212 181	NRGFC1-5	7 212 183	B100NRGFC1-5	6.4	5	9.5	3.3	22	26.1
	7 212 191	NRGFC1-6	7 212 193	B100NRGFC1-6	6.4	6	9.5	3.3	22	26





# Industrial electrical connections

## Preinsulated fork terminals



Compliant with IEC 352-2

### General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- "S" double crimp series:
  - Special PVC insulation, high mechanical and dielectric resistance.
  - Copper sleeve for crimping insulation giving better resistance to vibration.
  - Flammability rating : UL 94V0.

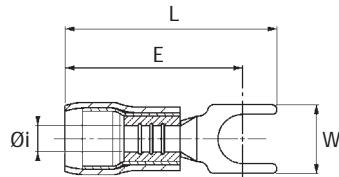
### S series

*Insulation with copper sleeve and terminal*

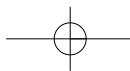


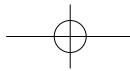
Tooling : see pages 148-149

### S series



Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5	7 222 011	SRGFA1-3	7 222 012	B100SRGFA1-3	3.6	3	5.5	1.7	16.3	20
	7 222 021	SRGFA1-3,5	7 222 022	B100SRGFA1-3,5	3.6	3.5	5.5	1.7	16.3	20
	7 222 031	SRGFA1-4	7 222 032	B100SRGFA1-4	3.6	4	6.5	1.7	16.3	20
	7 222 041	SRGFA2-4	7 222 042	B100SRGFA2-4	3.6	4	8	1.7	16.4	20
	7 222 051	SRGFA2-5	7 222 052	B100SRGFA2-5	3.6	5	8	1.7	16.4	20
	7 222 061	SRGFA2-6	7 222 062	B100SRGFA2-6	3.6	6	8	1.7	16.4	20
1.0 - 2.5	7 222 071	SRGFB0-3	7 222 072	B100SRGFB0-3	4.3	3	6.4	2.4	16.5	20.5
	7 222 081	SRGFB0-4	7 222 082	B100SRGFB0-4	4.3	4	6.4	2.4	16.5	20.5
	7 222 091	SRGFB1-3	7 222 092	B100SRGFB1-3	4.3	3	7.9	2.4	16.5	20.5
	7 222 101	SRGFB1-4	7 222 102	B100SRGFB1-4	4.3	4	7.9	2.4	16.5	20.5
	7 222 111	SRGFB1-5	7 222 112	B100SRGFB1-5	4.3	5	7.9	2.4	16.5	20.5
	7 222 121	SRGFB2-4	7 222 122	B100SRGFB2-4	4.3	4	9.5	2.4	18.8	23
2.6 - 6	7 222 131	SRGFB2-5	7 222 132	B100SRGFB2-5	4.3	5	9.5	2.4	18.8	23
	7 222 141	SRGFB2-6	7 222 142	B100SRGFB2-6	4.3	6	9.5	2.4	19	23
	7 222 151	SRGFC0-3	7 222 153	B100SRGFC0-3	6.4	3	6.7	3.3	24	26.4
	7 222 161	SRGFC0-4	7 222 163	B100SRGFC0-4	6.4	4	6.7	3.3	24	26.4
	7 222 171	SRGFC1-4	7 222 173	B100SRGFC1-4	6.4	4	9.5	3.3	21.9	26.1
	7 222 181	SRGFC1-5	7 222 183	B100SRGFC1-5	6.4	5	9.5	3.3	22	26.1
	7 222 191	SRGFC1-6	7 222 193	B100SRGFC1-6	6.4	6	9.5	3.3	22	26





# Industrial electrical connections

## Preinsulated square terminals



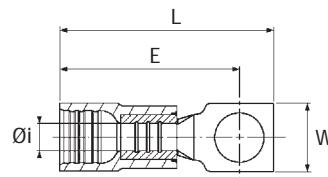
Compliant with **IEC 352-2**

**N series**  
*Insulation and terminal*



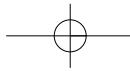
### General features

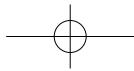
- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- "N" single crimp series:
  - Polyamide 6/6 insulation.
  - Easy entry.
  - Flammability rating: UL 94V2.
  - Halogen free.



### N series

Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
<b>0.34 - 1.5</b>	7 211 011	NRGA1-3	7 211 012	B100NRGA1-3	3.6	3	5.5	1.7	16.5	20.5
	7 211 021	NRGA1-3,5	7 211 022	B100NRGA1-3,5	3.6	3.5	5.5	1.7	16.5	20.5
	7 211 031	NRGA1-4	7 211 032	B100NRGA1-4	3.6	4	6.5	1.7	16.5	20.5
	7 211 041	NRGA2-4	7 211 042	B100NRGA2-4	3.6	4	8	1.7	16.5	20.5
	7 211 051	NRGA2-5	7 211 052	B100NRGA2-5	3.6	5	8	1.7	16.5	20.5
	7 211 061	NRGA2-6	7 211 062	B100NRGA2-6	3.6	6	8	1.7	16.5	20.5
<b>1.0 - 2.5</b>	7 211 071	NRGB0-3	7 211 072	B100NRGB0-3	4.3	3	6.4	2.4	16.5	20.5
	7 211 081	NRGB0-4	7 211 082	B100NRGB0-4	4.3	4	6.4	2.4	16.5	20.5
	7 211 091	NRGB1-3	7 211 092	B100NRGB1-3	4.3	3	7.9	2.4	16.5	20.5
	7 211 101	NRGB1-4	7 211 102	B100NRGB1-4	4.3	4	7.9	2.4	16.5	20.5
	7 211 111	NRGB1-5	7 211 112	B100NRGB1-5	4.3	5	7.9	2.4	16.5	20.5
	7 211 121	NRGB2-4	7 211 122	B100NRGB2-4	4.3	4	9.5	2.4	19.1	23.5
<b>2.6 - 6</b>	7 211 131	NRGB2-5	7 211 132	B100NRGB2-5	4.3	5	9.5	2.4	19.1	23.5
	7 211 141	NRGB2-6	7 211 142	B100NRGB2-6	4.3	6	9.5	2.4	19.1	23.5
	7 211 151	NRGC0-3	7 211 153	B100NRGC0-3	6.4	3	6.7	3.3	24	26.5
	7 211 161	NRGC0-4	7 211 164	B100NRGC0-4	6.4	4	6.7	3.3	24	26.5
	7 211 171	NRGC1-4	7 211 173	B100NRGC1-4	6.4	4	9.5	3.3	22	26.3
	7 211 181	NRGC1-5	7 211 183	B100NRGC1-5	6.4	5	9.5	3.3	22	26.3
	7 211 191	NRGC1-6	7 211 193	B100NRGC1-6	6.4	6	9.5	3.3	22	26.3





# Industrial electrical connections



## Preinsulated square terminals



Compliant with IEC 352-2

### S series

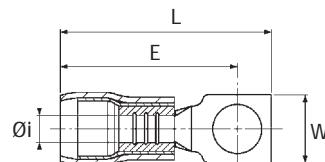
*Insulation with copper sleeve and terminal*



### General features

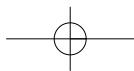
- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- "S" double crimp series:
  - Special PVC insulation, high mechanical and dielectric resistance.
  - Copper sleeve for crimping insulation giving better resistance to vibration.
  - Flammability rating: UL 94V0.

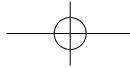
### S series



Tooling : see pages 148-149

Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
0.34 - 1.5	7 221 011	SRGA1-3	7 221 012	B100SRGA1-3	3.6	3	5.5	1.7	16.5	20.5
	7 221 021	SRGA1-3,5	7 221 022	B100SRGA1-3,5	3.6	3.5	5.5	1.7	16.5	20.5
	7 221 031	SRGA1-4	7 221 032	B100SRGA1-4	3.6	4	6.5	1.7	16.5	20.5
	7 221 041	SRGA2-4	7 221 042	B100SRGA2-4	3.6	4	8	1.7	16.5	20.5
	7 221 051	SRGA2-5	7 221 052	B100SRGA2-5	3.6	5	8	1.7	16.5	20.5
	7 221 061	SRGA2-6	7 221 062	B100SRGA2-6	3.6	6	8	1.7	16.5	20.5
1.0 - 2.5	7 221 071	SRGB0-3	7 221 072	B100SRGB0-3	4.3	3	6.4	2.4	16.5	20.5
	7 221 081	SRGB0-4	7 221 082	B100SRGB0-4	4.3	4	6.4	2.4	16.5	20.5
	7 221 091	SRGB1-3	7 221 092	B100SRGB1-3	4.3	3	7.9	2.4	16.5	20.5
	7 221 101	SRGB1-4	7 221 102	B100SRGB1-4	4.3	4	7.9	2.4	16.5	20.5
	7 221 111	SRGB1-5	7 221 112	B100SRGB1-5	4.3	5	7.9	2.4	16.5	20.5
	7 221 121	SRGB2-4	7 221 122	B100SRGB2-4	4.3	4	9.5	2.4	19.1	23.5
2.6 - 6	7 221 131	SRGB2-5	7 221 132	B100SRGB2-5	4.3	5	9.5	2.4	19.1	23.5
	7 221 141	SRGB2-6	7 221 142	B100SRGB2-6	4.3	6	9.5	2.4	19.1	23.5
	7 221 151	SRGC0-3	7 221 153	B100SRGC0-3	6.4	3	6.7	3.3	24	26.5
	7 221 161	SRGC0-4	7 221 163	B100SRGC0-4	6.4	4	6.7	3.3	24	26.5
	7 221 171	SRGC1-4	7 221 173	B100SRGC1-4	6.4	4	9.5	3.3	22	26.3
	7 221 181	SRGC1-5	7 221 183	B100SRGC1-5	6.4	5	9.5	3.3	22	26.3
	7 221 191	SRGC1-6	7 221 193	B100SRGC1-6	6.4	6	9.5	3.3	22	26.3





# Industrial electrical connections

## Locking preinsulated terminals



Compliant with IEC 352-2

### General features

- Tin-plated copper (silver-plating, gilding or nickel-plating on request).
- Barrel with funnel entry.
- Grooves in the barrel for a better tensile strength.
- "N" single crimp series:
  - Polyamide insulation.
  - Easy entry.
  - Flammability rating: UL 94V2.
  - Halogen free.
- "S" double crimp series:
  - Special PVC insulation, high mechanical and dielectric resistance.
  - Copper sleeve for crimping insulation giving better resistance to vibration.
  - Flammability rating: UL 94V0.

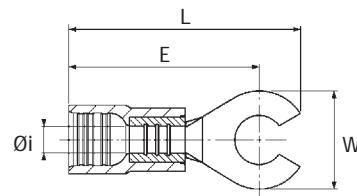
**N series**  
Insulation and terminal



**S series**  
Insulation with copper sleeve and terminal

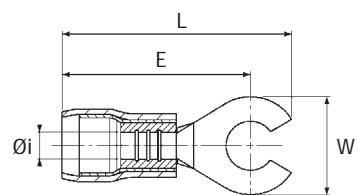


### N series

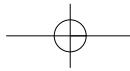


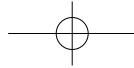
Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
<b>0.34 - 1.5</b>	7 210 023	NAE-3	7 210 028	B100NAE-3	3.6	3	5.6	1.7	14.5	16.5
	7 210 033	NAE1-4	7 210 035	B100NAE1-4	3.6	4	8	1.7	17	20
<b>1.0 - 2.5</b>	7 210 093	NBE-3	7 210 094	B100NBE-3	4.3	3	5.6	2.4	14.5	16.8
	7 210 104	NBE0-4	7 210 105	B100NBE0-4	4.3	4	8	2.4	17	20
<b>2.6 - 6</b>	7 210 183	NCE1-4	7 210 185	B100NCE1-4	6.4	4	9.3	3.3	23	27
	7 210 193	NCE1-5	7 210 195	B100NCE1-5	6.4	5	9.3	3.3	23	26.7

### S series



Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Bolt Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number			W	Øi	E	L
<b>0.34 - 1.5</b>	7 220 023	SAE-3	7 220 028	B100SAE-3	3.6	3	5.6	1.7	14.5	16.5
	7 220 034	SAE1-4	7 220 035	B100SAE1-4	3.6	4	8	1.7	17	20
<b>1.0 - 2.5</b>	7 220 083	SBE-3	7 220 086	B100SBE-3	4.3	3	5.6	2.4	14.5	16.8
	7 220 093	SBE0-4	7 220 098	B100SBE0-4	4.3	4	8	2.4	17	20
<b>2.6 - 6</b>	7 220 163	SCE1-4	7 220 166	B100SCE1-4	6.4	4	9.3	3.3	23	27
	7 220 173	SCE1-5	7 220 175	B100SCE1-5	6.4	5	9.3	3.3	23	26.7





# Industrial electrical connections

## Preinsulated pin and blade terminals



Compliant with IEC 352-2

**N series**  
Insulation and terminal

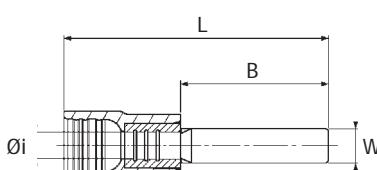


**S series**  
Insulation with copper sleeve and terminal

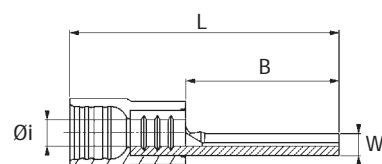


Tooling : see pages 148-149

**PF series**



**PR series**



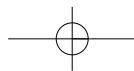
### N series

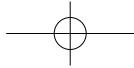
Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number		W	Øi	B	L
0.34 - 1.5	7 272 011	NPFA-3	7 272 012	B100NPFA-3	3.6	2.9	1.7	7.5	17.5
	7 272 071	NPFA-3 R*	7 272 073	B100NPFA-3R*	3.6	2.9	1.7	11.3	21
	7 271 101	NPRA-1,6	7 271 102	B100NRA-1,6	3.6	1.9	1.7	12	22.5
	7 271 103	NPRA-1,6C	7 271 104	B100NRA-1,6C	3.6	1.9	1.7	9	19.7
1.0 - 2.5	7 272 091	NPFB-3	7 272 092	B100NPFB-3	4.3	2.9	2.4	8	18
	7 272 081	NPFB-3 R*	7 272 083	B100NPFB-3R*	4.3	2.9	2.4	12	21.8
	7 272 041	NPFB-4 R*	7 272 042	B100NPFB-4 R*	4.3	3.9	2.4	12	21.8
	7 271 111	NPRB-2,3	7 271 112	B100NPRB-2,3	4.3	1.9	2.4	12	22
2.6 - 6	7 271 113	NPRB-2,3C	7 271 114	B100NPRB-2,3C	4.3	1.9	2.4	9	18.8
	7 272 063	NPFC-3	7 272 065	B100NPFC-3	6.4	2.9	3.3	10.5	24.2
	7 272 061	NPFC-3,9R*	7 272 060	B100NPFC-3,9R*	6.4	3.9	3.3	12.7	26
	7 271 121	NPRC-3,5	7 271 123	B100NPRC-3,5	6.4	2.5	3.3	14	28

### S series

Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Dimensions (mm)			
	Item code	Part number	Item code	Part number		W	Øi	B	L
0.34 - 1.5	7 273 021	SPFA-3	7 273 022	B100SPFA-3	3.6	2.9	1.7	7.5	17.5
	7 273 011	SPFA-3 R*	7 273 012	B100SPFA-3 R*	3.6	2.9	1.7	11.3	21
	7 271 011	SPRA-1,6	7 271 012	B100SPRA-1,6	3.6	1.9	1.7	12	22.5
	7 271 014	SPRA-1,6 C	7 271 015	B100SPRA-1,6 C	3.6	1.9	1.7	9	19.7
1.0 - 2.5	7 273 049	SPFB-3	7 273 050	B100SPFB-3	4.3	2.9	2.4	8	18
	7 273 053	SPFB-3 R*	7 273 055	B100SPFB-3 R*	4.3	2.9	2.4	12	21.8
	7 273 041	SPFB-4 R*	7 273 042	B100SPFB-4 R*	4.3	3.9	2.4	12	21.8
	7 271 021	SPRB-2,3	7 271 022	B100SPRB-2,3	4.3	1.9	2.4	12	22
2.6 - 6	7 271 024	SPRB-2,3 C	7 271 025	B100SPRB-2,3 C	4.3	1.9	2.4	9	18.8
	7 273 061	SPFC-3,9 R*	7 273 063	B100SPFC-3,9 R*	6.4	3.9	3.3	12.7	26
	7 271 031	SPRC-3,5	7 271 033	B100SPRC-3,5	6.4	2.5	3.3	14	28

\* Notched.





# Industrial electrical connections

Preinsulated female disconnects  
Preinsulated male and piggyback  
disconnects



## General features

- Tin-plated brass double crimp "S" version.

- Tin-plated bronze double crimp "51000" series.

- Electrolytic tin-plating process.
- Silver plating, gilding or nickel plating on request.
- PVC insulating sleeve with high dielectric and mechanical resistance.
- Copper sleeve for double crimping giving a better vibration resistance.
- Flammability rating: UL 94V0.

\*Compliant with IEC 352-2 and IEC 760

\*\*Compliant with NFF 00 363

### S series\* and 51000 series\*\*

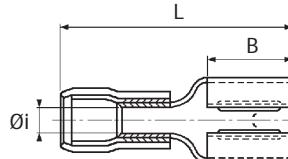


### S series\*



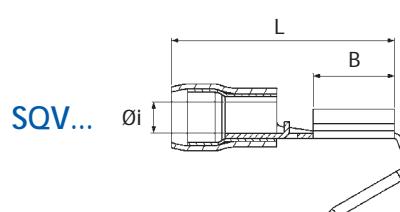
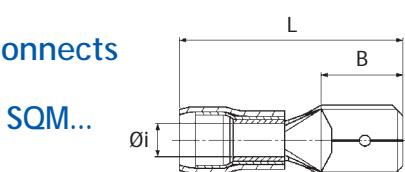
Tooling : see pages 148-149

## Preinsulated female disconnects

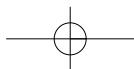


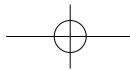
Conductor size (mm²)	Brass				Bronze				Insulation max Ø (mm)	Male disconnect			Øi (mm)	B (mm)	L (mm)				
	Loose packing		Packing 100 pieces / box		Loose packing		Packing 100 pieces / box			Width (mm)	Thickness (mm)								
	Item code	Part number	Item code	Part number	Item code	Part number	Item code	Part number											
0.34 - 1.5	7 250 500	SQA2,8-3	7 251 017	B100SQA2,8-3	7 260 505	51031-3	7 261 026	B10051031-3	3.6	2.8	0.3	1.7	6.5	19.5					
	7 250 501	SQA2,8-5	7 251 014	B100SQA2,8-5	7 260 506	51031-2	7 261 019	B10051031-2	3.6	2.8	0.5	1.7	6.5	19.5					
	7 250 502	SQA2,8-8	7 251 018	B100SQA2,8-8	7 260 508	51031-8	7 261 029	B10051031-8	3.6	2.8	0.8	1.7	6.5	19.5					
	7 251 021	SQA5	7 251 023	B100SQA5	-	-	-	-	3.6	4.8	0.5	1.7	6	18.7					
	7 251 065	SQA4,7-8	7 251 066	B100SQA4,7-8	-	-	-	-	3.6	4.8	0.8	1.7	6	18.7					
	7 251 024	SQA-5N	7 251 037	B100SQA-5N	7 261 042	51081-2	7 261 047	B10051081-2	3.6	5	0.8	1.7	7.7	21					
	7 251 032	SQA-6,35	7 251 033	B100SQA-6,35	7 261 072	51181-2	7 261 071	B10051181-2	3.6	6.3	0.8	1.7	7.7	21					
1.0 - 2.5	7 251 041	SQB5	7 251 043	B100SQB5	-	-	-	-	4.3	4.8	0.5	2.4	6	18.7					
	7 251 067	SQB4,7-8	7 251 068	B100SQB4,7-8	-	-	-	-	4.3	4.8	0.8	2.4	6	18.7					
	7 251 044	SQB5N	7 251 038	B100SQB5N	7 261 052	51131-2	7 261 053	B10051131-2	4.8	5	0.8	2.4	7.7	21					
	7 251 052	SQB6,35	7 251 053	B100SQB6,35	7 261 082	51231-2	7 261 081	B10051231-2	4.8	6.3	0.8	2.4	7.7	21					
	7 251 055	SQB8	7 251 080	B100SQB8	-	-	-	-	4.3	8	0.8	2.4	9	23					
2.6 - 6	7 251 072	SQC6,35	7 251 082	B100SQC6,35	7 261 103	51661-4J	7 261 112	B10051661-4J	6.8	6.3	0.8	3.4	7.7	25					
	7 251 074	SQC9,5	7 251 083	B100SQC-9,5	-	-	-	-	6.4	9.4	1.2	3.4	12.1	29.6					

## Preinsulated male and piggyback disconnects



Conductor size (mm²)	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Male disconnect			Øi (mm)	B (mm)	L (mm)
	Item code	Part number	Item code	Part number		Width (mm)	Thickness (mm)				
0.34 - 1.5	7 250 011	SQMA-6,35	7 250 012	B100SQMA-6,35	3.5	6.3	0.8	1.7	8	20.5	
	7 251 251	SQVA-6,35	7 251 253	B100SQVA-6,35	3.5	6.3	0.8	1.7	7.8	22.2	
1.0 - 2.5	7 250 021	SQMB-6,35	7 250 022	B100SQMB-6,35	4	6.3	0.8	2.4	8	20.5	
	7 251 261	SQVB-6,35	7 251 260	B100SQVB-6,35	4	6.3	0.8	2.4	7.8	22.2	
2.6 - 6	7 250 031	SQMC-6,35	7 250 033	B100SQMC-6,35	5.5	6.3	0.8	3.6	8	24.5	





# Industrial electrical connections



Fully preinsulated female disconnects

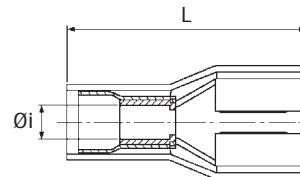


Compliant with IEC 352-2 and IEC 760

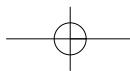
S series

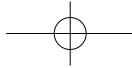


Tooling : see pages 148-149



Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Male disconnect		Øi (mm)	L (mm)	Insulating sleeve colours
	Item code	Part number	Item code	Part number		Width (mm)	Thickness (mm)			
0.34 - 1.5	7 252 010	SQAP2,8-5	7 252 012	B100SQAP2,8-5	3.2	2.8	0.5	1.7	19.5	
	7 252 013	SQAP4,8-5	7 252 014	B100SQAP4,8-5	3.6	4.8	0.5	1.7	20	
	7 252 001	SQAP4,8-8	7 252 002	B100SQAP4,8-8	3.6	4.8	0.8	1.7	20	
	7 252 021	SQAP6,35	7 252 023	B100SQAP6,35	2.9	6.3	0.8	1.7	23.5	
	7 252 018	SQAP6,35J	7 252 111	B100SQAP6,35J	2.9	6.3	0.8	1.7	23.5	
	7 252 030	SQAP6,35NR	7 252 110	B100SQAP6,35NR	2.9	6.3	0.8	1.7	23.5	
	7 252 038	SQAP6,35VE	7 252 109	B100SAP6,35VE	2.9	6.3	0.8	1.7	23.5	
	7 252 029	SQAP6,35JV	7 252 107	B100SQAP6,35JV	2.9	6.3	0.8	1.7	23.5	
	7 252 024	SQAP6,35B	7 252 106	B100SQAP6,35B	2.9	6.3	0.8	1.7	23.5	
	7 252 025	SQAP6,35BC	7 252 105	B100SQAP6,35BC	2.9	6.3	0.8	1.7	23.5	
	7 252 027	SQAP6,35G	7 252 104	B100SQAP6,35G	2.9	6.3	0.8	1.7	23.5	
	7 252 026	SQAP6,35M	7 252 103	B100SQAP6,35M	2.9	6.3	0.8	1.7	23.5	
	7 252 036	SQAP6,35ORG	7 252 102	B100SQAP6,35ORG	2.9	6.3	0.8	1.7	23.5	
	7 252 035	SQAP6,35VI	7 252 101	B100SQAP6,35VI	2.9	6.3	0.8	1.7	23.5	
1.0 - 2.5	7 252 047	SQBP4,8-5	7 252 055	B100SQBP4,8-5	4.3	4.8	0.5	2.4	20	
	7 252 060	SQBP4,8-8	7 252 062	B100SQBP4,8-8	3.4	4.8	0.8	2.4	20	
	7 252 031	SQBP6,35	7 252 059	B100SQBP6,35	3.4	6.3	0.8	2.4	23.5	
2.6 - 6	7 252 041	SQCP6,35	7 252 058	B100SQCP6,35	5.5	6.3	0.8	3.6	26	
	7 252 042	SQCP6,35NR	7 252 132	B100SQCP6,35NR	5.5	6.3	0.8	3.6	26	
	7 252 043	SQCP6,35R	7 252 133	B100SQCP6,35R	5.5	6.3	0.8	3.6	26	
	7 252 053	SQCP6,35VE	7 252 142	B100SQCP6,35VE	5.5	6.3	0.8	3.6	26	
	7 252 045	SQCP6,35TR	7 252 135	B100SQCP6,35TR	5.5	6.3	0.8	3.6	26	Translucent
	7 252 046	SQCP6,35JV	7 252 136	B100SQCP6,35JV	5.5	6.3	0.8	3.6	26	
	7 252 048	SQCP6,35B	7 252 137	B100SQCP6,35B	5.5	6.3	0.8	3.6	26	
	7 252 049	SQCP6,35BC	7 252 138	B100SQCP6,35BC	5.5	6.3	0.8	3.6	26	
	7 252 050	SQCP6,35G	7 252 139	B100SQCP6,35G	5.5	6.3	0.8	3.6	26	
	7 252 051	SQCP6,35M	7 252 140	B100SQCP6,35M	5.5	6.3	0.8	3.6	26	
	7 252 052	SQCP6,35ORG	7 252 141	B100SQCP6,35ORG	5.5	6.3	0.8	3.6	26	
	7 252 044	SQCP6,35VI	7 252 134	B100SQCP6,35VI	5.5	6.3	0.8	3.6	26	





# Industrial electrical connections

## Preinsulated butt splices



\*Compliant with IEC 352-2

\*\*Compliant with NFF 00 363

**N series\***

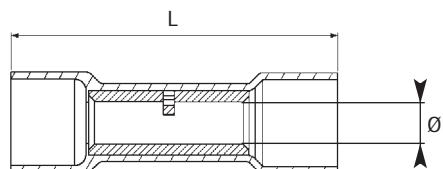


**51 000 series\*\***



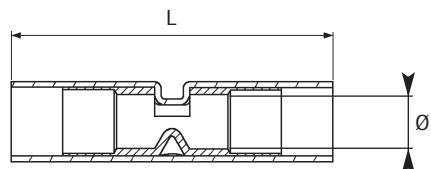
**Tooling** : see pages 148-149

### Preinsulated butt splices - N series

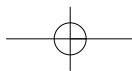


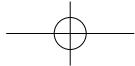
Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Øi (mm)	L (mm)
	Item code	Part number	Item code	Part number			
0.34 - 1.5	7 276 011	NPMJ1	7 276 012	B100NPMJ1	4	1.7	25.5
1.0 - 2.5	7 276 021	NPMJ2	7 276 022	B100NPMJ2	4.5	2.4	25.5
2.6 - 6	7 276 031	NPMJ3	7 276 028	B100NPMJ3	6.6	3.3	27.5

### Preinsulated butt splices with inspection window - 51000 series



Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Øi (mm)	L (mm)
	Item code	Part number	Item code	Part number			
0.34 - 1.5	7 282 201	51391	7 282 202	B100-51391	3.6	1.7	32
1.0 - 2.5	7 282 215	51402	7 282 213	B100-51402	4	2.4	32
2.6 - 6	7 282 221	51413	7 282 224	B100-51413	5.5	3.3	41.5





# Industrial electrical connections

Preinsulated closed-end wire connectors  
Accessories for preinsulated splices  
"Y" type connectors

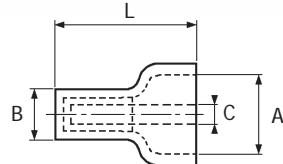


## General features

- Preinsulated closed-end wire connectors:
  - Tin-plated copper.
  - White 6/6 polyamide insulation.
- Feed-through sleeves:
  - Neoprene material.
- Sliding rail for feed-through sleeves:
  - Black painted steel.

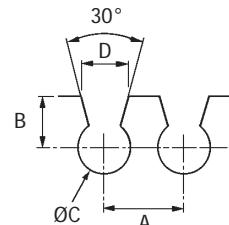
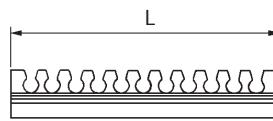
**Tooling**: see pages 148-149

### Preinsulated closed-end wire connectors



Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		A (mm)	B (mm)	C (mm)	L (mm)
	Item code	Part number	Item code	Part number				
0.34 - 1.5	7 276 034	PME-1	7 276 067	B100PME-1	6.2	5	2.2	15.2
1.0 - 2.5	7 276 035	PME-2	7 276 066	B100PME-2	6.5	5.8	2.5	15.2
2.6 - 6	7 276 036	PME-3	7 276 065	B100PME-3	9.4	7.3	3.5	17.8
6 - 10	7 276 037	PME-4	7 276 068	B100PME-4	12	9.2	4.7	22.2

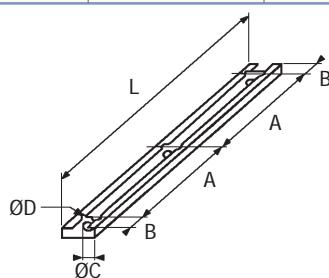
### Feed-through sleeves



Packing 100 pieces / box		A (mm)	B (mm)	C (mm)	D (mm)	L (mm)	Material
Item code	Part number						
7 904 002	SF1184	8	5	5	5	95	Neoprene

Number of notches: 11.

### Sliding rail for feed-through sleeves



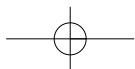
Packing 100 pieces / box		A (mm)	B (mm)	C (mm)	D (mm)	L (mm)	Material
Item code	Part number						
7 904 004	GLI76	350	30	6.5	13	760	Painted steel
7 904 001	GLI80	Not drilled				800	Painted steel

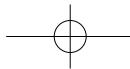
Note: other lengths and holes upon request.

### « Y » type connectors

Packed in plastic boxes.

Item code	Part number	Width or Ø (mm)	Figure	Quantity
7 301 902	B15-1053	L 6.35	1	15
7 301 912	B15-1051	L 6.35	2	15
7 301 922	B15-1052	Ø 4	3	15
7 301 932	B15-1050	Ø 4	4	15





# Industrial electrical connections

## Insulated rings terminals



### General features

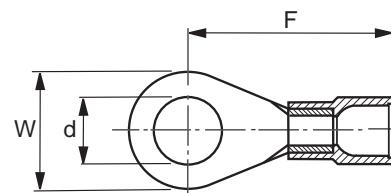
- Wide range of copper terminals taking conductors from 0.5 to 6 mm<sup>2</sup>.
- Colour coded insulation sleeve with "easy-entry" is fitted over the barrel.
- Electrolytic copper tube, electro tinned.
- High mechanical and dielectric resistant insulation (polyamide)
- Heat resistant up to +105°C

Compliant with DIN 46237



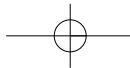
Tooling : see pages 148-149

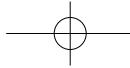
### Preinsulated ring terminals



Conductor section mm <sup>2</sup>	item code	Part numbers	Stud hole mm	Dimensions mm		
				W	d	F
0.5 - 1.5	7212320	BE1M27D	2.5	6.0	2.7	17.0
	7212325	BE1M32D	3.0	6.0	3.2	17.0
	7212330	BE1M37D	3.5	6.6	3.7	17.0
	7212332	BE1M43 *	4.0	6.6	4.3	16.8
	7212335	BE1M43D	4.0	8.0	4.3	18.0
	7212337	BE1M53 *	5.0	8.0	5.3	17.5
	7212340	BE1M53D	5.0	10.0	5.3	19.0
	7212345	BE1M65D	6.0	11.0	6.5	21.0
	7212347	BE1M84 *	8.0	11.6	8.4	21.6
	7212352	BE1M105 *	10.0	13.6	10.5	24.9
1.5 - 2.5	7212357	BE1M132 *	12.0	19.2	13.0	26.5
	7212360	BE25M32D	3.0	6.0	3.2	17.0
	7212365	BE25M37D	3.5	6.0	3.7	17.0
	7212367	BE25M43 *	4.0	6.6	4.3	17.3
	7212370	BE25M43D	4.0	8.0	4.3	18.0
	7212372	BE25M53 *	5.0	8.5	5.3	18.8
	7212375	BE25M53D	5.0	10.0	5.3	20.0
	7212380	BE25M65D	6.0	11.0	6.5	22.0
	7212382	BE25M84 *	8.0	12.0	8.4	22.0
	7212385	BE25M84D	8.0	14.0	8.4	23.0
4 - 6	7212387	BE25M105 *	10.0	13.6	10.5	24.9
	7212390	BE25M105D	10.0	18.0	10.5	24.5
	7212392	BE25M132 *	12.0	19.2	13.0	27.0
	7212394	BE6M37 *	3.5	9.5	3.7	22.3
	7212395	BE6M43D	4.0	8.0	4.3	21.0
	7212400	BE6M53D	5.0	10.0	5.3	22.0
	7212405	BE6M65D	6.0	11.0	6.5	23.0
	7212410	BE6M84D	8.0	14.0	8.4	26.0

\* Does not meet DIN46237 standard.





# Industrial electrical connections

Insulated fork terminals  
with easy entry



## General features

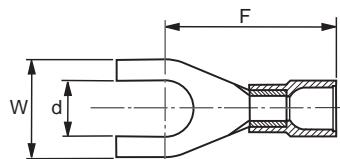
- Wide range of copper terminals taking conductors from 0.5 to 6 mm<sup>2</sup>.
- Colour coded insulation sleeve with "easy-entry" is fitted over the barrel.
- Electrolytic copper tube, electro tinned.
- High mechanical and dielectric resistant insulation (polyamide)
- Heat resistant up to +105°C

Compliant with DIN 46237/C



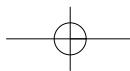
**Tooling** : see pages 148-149

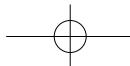
## Preinsulated fork terminals



Conductor section mm <sup>2</sup>	item code	Part numbers	Stud hole mm	Dimensions mm		
				W	d	F
0.5 - 1.5	7212424	BE1FM27D	2.5	6.0	2.7	17.0
	7212425	BE1FM32D	3.0	6.0	3.2	17.0
	7212430	BE1FM37D	3.5	6.0	3.7	17.0
	7212432	BE1FM43 *	4.0	6.4	4.3	16.8
	7212435	BE1FM43D	4.0	8.0	4.3	18.0
	7212437	BE1FM53 *	5.0	8.0	5.3	17.5
	7212440	BE1FM53D	5.0	10.0	5.3	19.0
	7212445	BE1FM65D	6.0	11.0	6.5	21.0
1.5 - 2.5	7212450	BE25FM32D	3.0	6.0	3.2	17.0
	7212455	BE25FM37D	3.5	6.0	3.7	17.0
	7212457	BE25FM43 *	4.0	6.4	4.3	17.3
	7212460	BE25FM43D	4.0	8.0	4.3	18.0
	7212462	BE25FM53 *	5.0	8.5	5.3	18.3
	7212465	BE25FM53D	5.0	10.0	5.3	20.0
	7212470	BE25FM65D	6.0	11.0	6.5	22.0
	7212472	BE25FM84D	8.0	14.0	8.4	23.0
4 - 6	7212474	BE6FM37 *	3.5	7.2	3.7	21.5
	7212475	BE6FM43D	4.0	8.0	4.3	21.0
	7212480	BE6FM53D	5.0	10.0	5.3	22.0
	7212485	BE6FM65D	6.0	11.0	6.5	23.0
	7212490	BE6FM84D	8.0	14.0	8.4	26.0

\* Does not meet DIN46237/C standard





# Industrial electrical connections

Insulated wire-pin terminals  
with easy entry



Compliant with DIN 46231 and DIN 46245

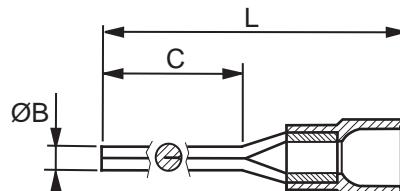
## General features

- Wide range of copper terminals taking conductors from 0.5 to 6 mm.
- Colour coded insulation sleeve with "easy-entry" is fitted over the barrel.
- Electrolytic copper tube, electro tinned.
- High mechanical and dielectric resistant insulation (polyamide)
- Heat resistant up to +105°C



**Tooling** : see pages 148-149

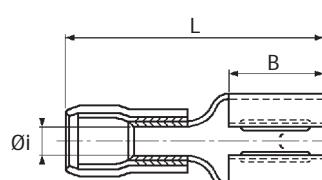
## Preinsulated pin terminals



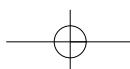
Conductor section mm <sup>2</sup>	item code	Part numbers	Dimensions mm		
			ØB	C	L
0.5 - 1.5	7276115	BE1W10 *	1.9	8.5	21.5
	7276120	BE1W13D	1.9	10.5	24.5
	7276122	BE1W17 *	1.9	16.5	29.5
1.5 - 2.5	7276125	BE25W10 *	1.9	8.5	22.0
	7276130	BE25W13D	1.9	10.5	24.0
	7276135	BE25W17 *	1.9	16.5	30.0
4 - 6	7276140	BE25W13D	2.7	10.5	25.5
	7276142	BE25W17 *	2.7	16.5	31.5

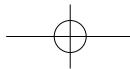
\* Does not meet DIN46237/C standard

## Preinsulated female disconnects



Conductor size (mm <sup>2</sup> )	Loose packing		Packing 100 pieces / box		Insulation max Ø (mm)	Male disconnect (mm)	B (mm)	Øi (mm)	L (mm)
	Item code	Part number	Item code	Part number					
0.5 - 1	7 252 200	DQA2,8-5	7 252 201	B100DQA2,8-5	4.1	2.8 x 0.5	6.4	1.8	17.5
	7 252 205	DQA2,8-8	7 252 206	B100DQA2,8-8	4.1	2.8 x 0.8	6.4	1.8	17.5
	7 252 210	DQA5	7 252 211	B100DQA5	4.1	4.8 x 0.5	6	1.8	18
	7 252 215	DQA4,7-8	7 252 216	B100DQA4,7-8	4.1	4.8 x 0.8	6	1.8	18
	7 252 220	DQA6,35	7 252 221	B100DQA6,35	4.1	6.3 x 0.8	7.5	1.8	22
1.5 - 2.5	7 252 225	DQA8	7 252 226	B100DQA8	4.1	8.0 x 0.8	9.5	1.8	25
	7 252 230	DQB5	7 252 231	B100DQB5	4.5	4.8 x 0.5	6	2.4	18
	7 252 235	DQB4,7-8	7 252 236	B100DQB4,7-8	4.5	4.8 x 0.8	6	2.4	18
	7 252 240	DQB6,35	7 252 241	B100DQB6,35	4.5	6.3 x 0.8	6	2.4	21
4 - 6	7 252 245	DQB8	7 252 246	B100DQB8	4.5	8.0 x 0.8	9.5	2.4	25
	7 252 250	DQC6,35	7 252 251	B100DQC6,35	6.4	6.3 x 0.8	7.5	3.8	21
	7 252 255	DQC9,5	7 252 256	B100DQC9,5	6.4	9.4 x 1.2	12	3.8	26.5





# Industrial electrical connections



## Preinsulated ring and fork terminals

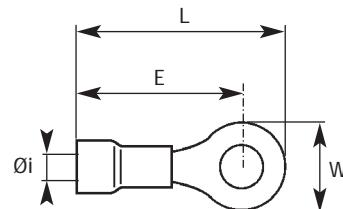
### General features

- Electrolytic tin-plated copper.
- Barrel with funnel entry.
- Grooves in the barrel provide a better tensile strength.
- PVC insulating sleeve.
- Easy entry.
- Flammability rating: UL 94V0.
- UL homologated.

Compliant with **UL-CSA**

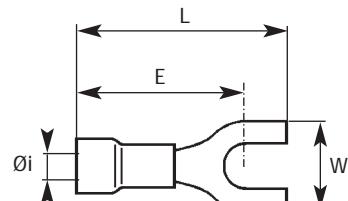
**Tooling** : see pages 148-149

### Preinsulated ring terminals

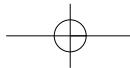


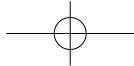
Nominal cross section (mm <sup>2</sup> )	Packing 100 pieces / box		Insulation Ø max (mm)	Bolt Ø (mm)	W (mm)	Øi (mm)	E (mm)	L (mm)
	Item code	Part number						
0.34 - 1.5	7 307 001	1-3 R	4	3.3	5.5	1.7	15	17.5
	7 307 011	1-4 R	4	4.3	8	1.7	17	20.8
	7 307 021	1-5 R	4	5.3	8	1.7	17	20.8
	7 307 031	1-6 R	4	6.5	11.6	1.7	21	26.8
	7 307 041	1-8 R	4	8.5	11.6	1.7	21	26.8
	7 307 051	1-10 R	4	10.5	13.6	1.7	23.6	30.5
1.0 - 2.5	7 307 141	4-3 B	4.5	3.3	6.6	2.3	14.8	17.8
	7 307 151	4-4 B	4.5	4.3	8.5	2.3	17.8	21.8
	7 307 161	4-5 B	4.5	5.3	8.5	2.3	17.8	21.8
	7 307 171	4-6 B	4.5	6.5	12	2.3	21	26.8
	7 307 181	4-8 B	4.5	8.5	12	2.3	21	26.8
	7 307 191	4-10 B	4.5	10.5	13.6	2.3	23.9	30.5
2.6 - 6	7 307 301	6-3 J	6.3	3.3	7.2	3.4	19.1	22.7
	7 307 311	6-4 J	6.3	4.3	7.2	3.4	19.1	22.7
	7 307 321	6-5 J	6.3	5.3	9.5	3.4	22.1	26.6
	7 307 331	6-6 J	6.3	6.5	12	3.4	23.5	29.5
	7 307 341	6-8 J	6.3	8.5	15	3.4	21.4	34
	7 307 351	6-10 J	6.3	10.5	15	3.4	23.5	34
	7 307 361	6-12 J	6.3	12.7	19.2	3.4	26	38.6

### Preinsulated fork terminals



Nominal cross section (mm <sup>2</sup> )	Packing 100 pieces / box		Insulation Ø max (mm)	Bolt Ø (mm)	W (mm)	Øi (mm)	E (mm)	L (mm)
	Item code	Part number						
0.34 - 1.5	7 307 071	R 1-3 F	4	3.3	5.7	1.7	16.5	21
	7 307 081	R 1-4 F	4	4.3	6.4	1.7	16.5	21
	7 307 091	R 1-5 F	4	5.3	8.1	1.7	16.5	21
	7 307 101	R 1-6 F	4	6.4	9.5	1.7	16.5	21
	7 307 221	B 4-3 F	4.5	3.3	5.7	2.3	16.7	21
	7 307 241	B 4-4 F	4.5	4.3	6.4	2.3	16.7	21
1.0 - 2.5	7 307 251	B 4-5 F	4.5	5.3	7.9	2.3	16.7	21
	7 307 261	B 4-6 F	4.5	6.5	9.3	2.3	16.7	21
	7 307 401	J 6-3 F	6.3	6.5	8.3	3.4	20	25.5
	7 307 411	J 6-4 F	6.3	4.3	8.3	3.4	20	25.5
	7 307 421	J 6-5 F	6.3	5.3	9	3.4	21	26.5
	7 307 431	J 6-6 F	6.3	6.5	12	3.4	25	31.5
2.6 - 6	7 307 441	J 6-8 F	6.3	8.5	14	3.4	23.5	30.5





# Industrial electrical connections



## Preinsulated disconnects

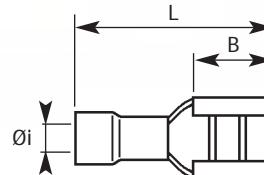
### General features

- Tin-plated brass. • Barrel with funnel entry. • Grooves in the barrel provide a better tensile strength. • PVC insulating sleeve.
- Copper sleeve for double crimping. • Flammability rating: UL 94V0.
- UL homologated.

Compliant with **UL-CSA**

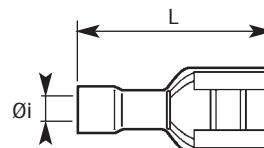
**Tooling**: see pages 148-149

### Preinsulated disconnects



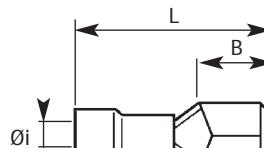
Nominal cross section (mm <sup>2</sup> )	Packing 100 pieces / box		Insulation Ø max (mm)	Width (mm)	Thickness (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number						
<b>0.34 - 1.5</b>	7 307 551	8620	3.8	2.8	0.5	1.7	6.5	19
	7 307 561	8621	3.8	4.8	0.5	1.7	6.4	19.4
<b>1.0 - 2.5</b>	7 307 571	8623	3.8	6.35	0.8	1.7	7.3	20.8
	7 307 620	8618	4.7	2.8	0.5	2.3	6.5	19
<b>2.6 - 6</b>	7 307 581	8622	4.7	4.8	0.5	2.3	6.4	19.4
	7 307 579	8622-8	4.7	4.8	0.8	2.3	6.4	19.4
<b>2.6 - 6</b>	7 307 591	8624	4.7	6.35	0.8	2.3	7.3	20.8
	7 307 621	8625	6.2	6.35	0.8	3.4	7.3	23.3
<b>2.6 - 6</b>	7 307 611	8626	6.2	9.5	1.2	3.4	12	28.6

### Fully preinsulated female disconnects



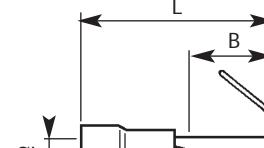
Nominal cross section (mm <sup>2</sup> )	Packing 100 pieces / box		Insulation Ø max (mm)	Width (mm)	Thickness (mm)	Øi (mm)	L (mm)
	Item code	Part number					
<b>0.34 - 1.5</b>	7 307 681	8623 TI	3.8	6.35	0.8	1.7	21.8
<b>1.0 - 2.5</b>	7 307 704	8624 TI	4.7	6.35	0.8	2.3	22.2
<b>2.6 - 6</b>	7 307 622	8625 TI	6.2	6.35	0.8	3.4	24.2

### Preinsulated male disconnects

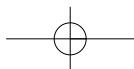


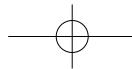
Nominal cross section (mm <sup>2</sup> )	Packing 100 pieces / box		Insulation Ø max (mm)	Width (mm)	Thickness (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number						
<b>0.34 - 1.5</b>	7 307 500	861 R	3.8	4.8	0.5	1.7	6.5	19.8
<b>1.0 - 2.5</b>	7 307 501	863 R	3.8	6.35	0.8	1.7	7.7	21.8
<b>2.6 - 6</b>	7 307 515	861 B	4.7	4.8	0.5	2.3	6.5	19.8
<b>2.6 - 6</b>	7 307 511	863 B	4.7	6.35	0.8	2.3	7.7	21.8
<b>2.6 - 6</b>	7 307 521	863 J	6.2	6.35	0.8	3.4	7.7	24

### Preinsulated piggyback disconnects



Nominal cross section (mm <sup>2</sup> )	Packing 100 pieces / box		Insulation Ø max (mm)	Width (mm)	Thickness (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number						
<b>0.34 - 1.5</b>	7 307 631	86240 R	3.8	6.35	0.8	1.7	8	22.5
<b>1.0 - 2.5</b>	7 307 641	86240 B	4.7	6.35	0.8	2.3	8	22.5





# Industrial electrical connections

Fully preinsulated female disconnects  
Cylindrical plugs and preinsulated pins



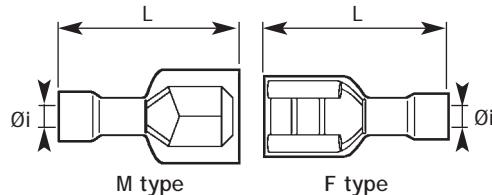
## General features

- Electrolytic tin-plated copper.
- Barrel with funnel entry.
- Grooves in the barrel provide a better tensile strength.
- PVC insulating sleeve.
- Easy entry.
- Copper sleeve for double crimping.
- Flammability rating: UL 94V0.
- UL homologated.

Compliance with **UL-CSA**

**Tooling**: see pages 148-149

## Fully preinsulated male and female disconnects

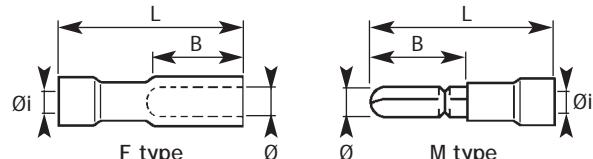


### Nominal cross section (mm²)

Nominal cross section (mm²)	Packing 100 pieces / box		Insulation Ø max (mm)	Type	Width (mm)	Thickness (mm)	Øi (mm)	L (mm)
	Item code	Part number						
<b>0.34 - 1.5</b>	7 307 680	863 MTIR	4	M	6.35	0.8	1.7	24.5
	7 307 682	8623 FTIR	4	F	6.35	0.8	1.7	22.5
<b>1.0 - 2.5</b>	7 307 707	864 MTIB	4	M	6.35	0.8	2.3	24.5
	7 307 708	8624 FTIB	4.5	F	6.35	0.8	2.3	23
<b>2.6 - 6</b>	7 307 623	865 MTIJ	5	M	6.35	0.8	3.4	24.5
	7 307 624	8625 FTIJ	5	F	6.35	0.8	3.4	23

## Preinsulated male and female cylindrical plugs

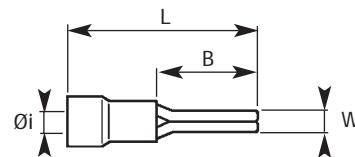
Also available: 100 pieces / plastic box  
(see price list).



### Nominal cross section (mm²)

Nominal cross section (mm²)	Packing 100 pieces / box		Insulation Ø max (mm)	Type	Ø (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number						
<b>0.34 - 1.5</b>	7 274 011	SFMA 4	3.8	M	4	1.7	8.5	21.5
	7 274 031	SFFA 4	3.8	F	4	1.7	7.3	23.3
<b>1.0 - 2.5</b>	7 274 025	SFMB 4	4.7	M	4	2.3	8.5	21.7
	7 274 061	SFFB 4	4.7	F	4	2.3	7.3	23.3
	7 274 021	SFMB 5	4.7	M	5	2.3	8.5	21.2
	7 274 041	SFFB 5	4.7	F	5	2.3	7	23.3

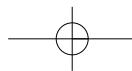
## Preinsulated pins

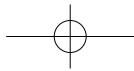


Electrolytic tin-plated copper. single crimp.

### Nominal cross section (mm²)

Nominal cross section (mm²)	Packing 100 pieces / box		Insulation Ø max (mm)	W (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number					
<b>0.34 - 1.5</b>	7 307 911	TMTC 1	4	1.9	1.7	12	22.5
	7 307 921	TMTC 2	4.5	1.9	2.3	12	22.5
<b>2.6 - 6</b>	7 307 931	TMTC 3	6.3	2.5	4	14	28





# Industrial electrical connections



Preinsulated butt splices  
Self-stripping quick connectors



Compliant with **UL-CSA**

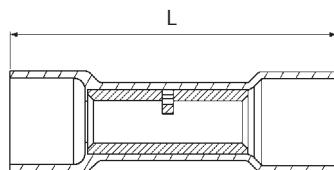


**Tooling** : see pages 148-149

## Preinsulated butt splices

Preinsulated butt splices.

- Tin-plated copper.
- Barrel with chamfered entry.
- PVC insulating sleeve with high dielectric and mechanical resistance.
- Flammability rating: UL 94VO.



Conductor size (mm <sup>2</sup> )	Packing 100 pieces / box		Insulation Ø max (mm)	Material	L (mm)
	Item code	Part number			
0.34 - 1.5	7 307 851	MLCR	4	PVC	24.6
1.0 - 2.5	7 307 871	MLCB	4.5	PVC	24.6
2.6 - 6	7 307 891	MLCJ	6.3	PVC	26.5

## General features

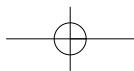
Self-stripping quick connectors.

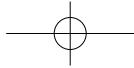
- Applications:  
Automotive electrical, telecommunications, plus many others.

## Self-stripping quick connectors



Nominal cross section (mm <sup>2</sup> )	Packing 100 pieces / box		Packing 10 pieces / box		Colour
	Item code	Part number	Item code	Part number	
0.5 - 1.0	7 270 021	CR 110	7 270 022	B10 CR 110	Red
0.75 - 2.5	7 270 011	CR 210	7 270 013	B10 CR 210	Blue





# Industrial electrical connections



Polyamide insulated terminals  
with insulation support



## General features

- Wide range of copper terminals taking wires from 0.2 to 6 mm<sup>2</sup>
- Brazed seam, long barrel and inner serrations permit wide latitude in crimping.
- Colour code insulation sleeve is fitted over the barrel.
- UL and MIL-T-7928 (ASG) approved terminals also available on request.
- Electrolytic copper tube, electro tinned
- Polyamide insulation
- Heat resistant up to +105°C

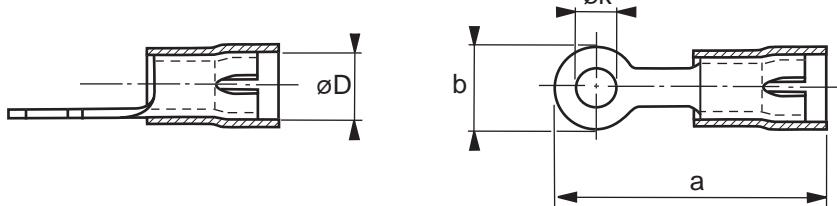
Compliant with **UL and SAE AS 7928-A1**

### YAE line

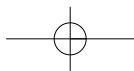


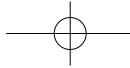
**Tooling** : see pages ???

## Ring tongue



Conductor section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)				
			M	$\text{Ø} K$	$\text{Ø} D$	a (max.)	b (max.)
0.2 - 0.5	7222600	YAE22G16	3	3.1	2.5	19	4.3
	7222601	YAE22G13	3.5	3.7		19	6.7
	7222602	YAE22G14	4	4.3		21	8.3
	7222603	YAE22G15	5	5.3		21	8.3
0.5 - 1.5	7222604	YAE18M32	3	3.2	3.2	20.5	5.7
	7222605	YAE18M37	3.5	3.7		20.5	6.5
	7222606	YAE18M43	4	4.3		23.4	8.1
	7222607	YAE18M53	5	5.3		23.4	8.1
	7222608	YAE18M65	6	6.5		27.9	11.6
	7222609	YAE18M84	8	8.4		27.9	11.6
1.5 - 2.5	7222610	YAE14M37	3.5	3.7	3.9	20.8	6.5
	7222611	YAE14M43	4	4.3		23.3	8.1
	7222612	YAE14M53	5	5.3		23.3	8.1
	7222613	YAE14M65	6	6.5		28.1	11.6
	7222614	YAE14M84	8	8.4		28.1	11.6
	7222615	YAE14M105	10	10.5		30.2	13.5
4 - 6	7222616	YAE10M37	3.5	3.7	5.7	29.1	9.6
	7222617	YAE10M43	4	4.3		29.6	9.6
	7222618	YAE10M53	5	5.3		29.6	9.6
	7222619	YAE10M65	6	6.5		35.2	13.8
	7222620	YAE10M84	8	8.4		35.2	13.8
	7222621	YAE10M105	10	10.5		35.2	13.8





# Industrial electrical connections

Polyamide insulated terminals  
with insulation support



## General features

- Wide range of copper terminals taking wires from 0.2 to 6 mm<sup>2</sup>  
Brazed seam, long barrel and inner serrations permit wide latitude in crimping.
- Colour code insulation sleeve is fitted over the barrel.  
UL and MIL-T-7928 (ASG) approved terminals also available on request.
- Electrolytic copper tube, electro tinned
- Polyamide insulation
- Heat resistant up to +105°C

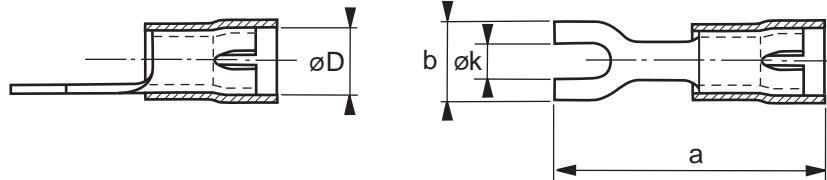
Compliant with **UL and SAE AS 7928-A1**

**YAE line**



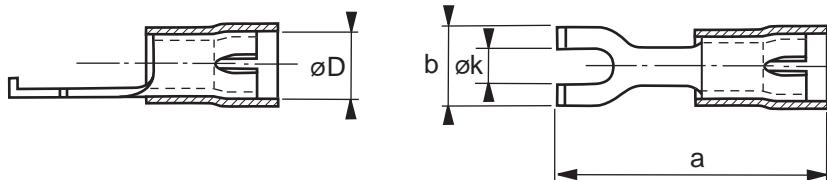
**Tooling** : see pages ???

### Fork tongue

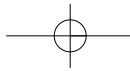


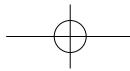
Conductor section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)				
			M	Ø K	Ø D	a (max.)	b (max.)
0.2 - 0.5	7222500	YAE22N66F	3.5	3.7	2.5	20.8	7.5
	7222501	YAE18F32	3	3.2		19.6	6.8
	7222502	YAE18F37	3.5	3.7		19.6	6.8
	7222503	YAE18F43	4	4.3		24	8.2
0.5 - 1.5	7222504	YAE14F37	3.5	3.7	3.2	22.1	7.1
	7222505	YAE14F43	4	4.3		24.4	7.9
	7222506	YAE14F53	5	5.3		25.7	9.2
1.5 - 2.5					3.9		

### Flanged fork tongue



Conductor section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)				
			M	Ø K	Ø D	a (max.)	b (max.)
0.2 - 0.5	7222550	YAE22Z2	3.5	3.7	2.5	20.6	7.2
	7222551	YAE18Z32	3	3.2		22.5	6.4
	7222552	YAE18Z37	3.5	3.7		22.5	7.1
	7222553	YAE18Z43	4	4.3		24.7	7.9
0.5 - 1.5	7222554	YAE18Z53	5	5.3	3.2	26.9	9.1
	7222555	YAE14Z37	3.5	3.7		22.1	6.4
	7222556	YAE14Z43	4	4.3		24.4	8.0
	7222557	YAE14Z53	5	5.3		25.7	8.0
1.5 - 2.5					3.9		





# Industrial electrical connections

Polyamide insulated splices

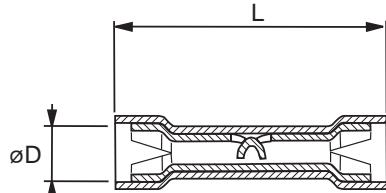


## General features

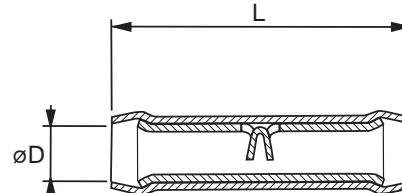
- Wide range of copper splices taking wires from 0.5 to 6 mm<sup>2</sup>
- Electrolytic copper tube, electro tinned Polyamide insulation
- Heat resistant up to +105°C

## YSE line

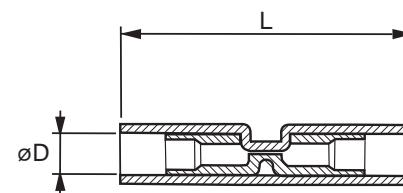
Tooling : see pages ???



YSE-H (fig. 1)

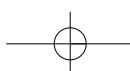


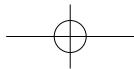
YSE (fig. 2)



YSE-HN (fig. 3)

Section (mm <sup>2</sup> )	Item code	Part number	Fig.	Dimensions (mm)	
				D	L
0.5 - 1.5	7276080	YSE18H	1	2.9	30.5
	7276081	YSE18HN	3		31.7
1.5 - 2.5	7276082	YSE14H	1	3.8	34.5
	7276083	YSE14HN	3		31.7
4 - 6	7276084	YSE10	2	5.3	28
	7276085	YSE10HN	3		41.6





# Industrial electrical connections



Preinsulated terminals with dual-wall heat-shrinkable insulation



## General features

- Tin-plated copper.
- Insulating sleeve: heat-shrinkable tubing with internal adhesive.
- Shrink temperature: 150°C.
- Use temperature: -10°C to +105°C.

**TH series**

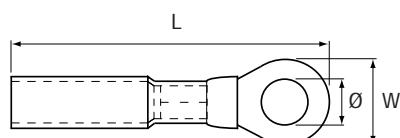


**THF series**



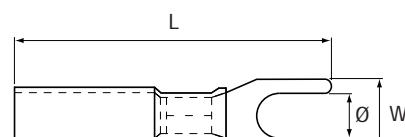
**Tooling** : see pages

### TH series

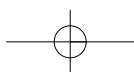


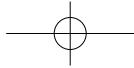
Conductor size (mm <sup>2</sup> )	Packing 100 pieces / box		Bolt Ø (mm)	Dimensions (mm)	
	Item code	Part number		W	L
0.5 - 1	7 465 500	THA3,7	3.7	5.5	25
	7 465 501	THA4	4	8	28.5
	7 465 502	THA5	5	8	28.5
	7 465 503	THA6	6	11.6	34.5
	7 465 504	THA8	8	11.6	34.5
	7 465 505	THA10	10	13.6	37.5
1.5 - 2.5	7 465 506	THB3,7	3.7	6.6	26.5
	7 465 507	THB4	4	8.5	30.5
	7 465 508	THB5	5	9.5	30.5
	7 465 509	THB6	6	12	35.5
	7 465 510	THB8	8	12	35.5
	7 465 511	THB10	10	13.6	37.5
4 - 6	7 465 512	THC4	4	9.5	34.2
	7 465 513	THC5	5	9.5	34
	7 465 514	THC6	6	12	37.5
	7 465 515	THC8	8	15	42
	7 465 516	THC10	10	15	42
	7 465 517	THC12	12	19.2	46.5

### THF series



Conductor size (mm <sup>2</sup> )	Packing 100 pieces / box		Bolt Ø (mm)	Dimensions (mm)	
	Item code	Part number		W	L
0.5 - 1	7 465 518	THFA3,7	3.7	6.4	29.3
	7 465 519	THFA4	4	7.2	29.6
	7 465 520	THFA5	5	9.5	30
1.5 - 2.5	7 465 521	THFB3,7	3.7	6	28.5
	7 465 522	THFB4	4	7.2	29.5
	7 465 523	THFB5	5	9.5	30.5
4 - 6	7 465 524	THFC4	4	9	33.5
	7 465 525	THFC5	5	9	33.5
	7 465 526	THFC6	6	12	41





# Industrial electrical connections



Preinsulated disconnects with dual-wall heat-shrinkable insulation



## General features

- Tin-plated brass.
- Insulating sleeve: heat-shrinkable tubing with internal adhesive.
- Shrink temperature: 150°C.
- Use temperature: -10°C to +105°C.

**THQ series**



**THQ P series**

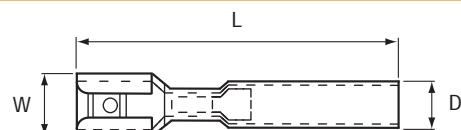


**THQ M series**



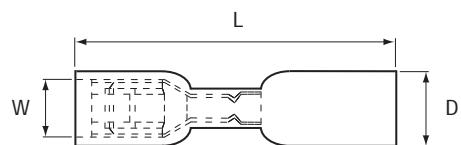
**Tooling** : see pages

### THQ series



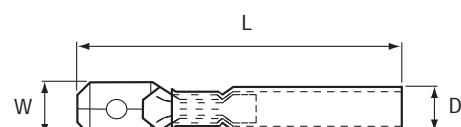
Conductor size (mm <sup>2</sup> )	Packing 100 pieces / box		Male disconnect		Dimensions (mm)		
	Item code	Part number	Width (mm)	Thickness (mm)	W	L	D
0.5 - 1	7 465 527	THQA6,35	6.3	0.8	6.6	34	5.5
1.5 - 2.5	7 465 528	THQB6,35	6.3	0.8	6.6	34	6
4 - 6	7 465 529	THQC6,35	6.3	0.8	6.6	35	8.1

### THQP series

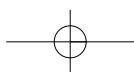


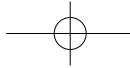
Conductor size (mm <sup>2</sup> )	Packing 100 pieces / box		Male disconnect		Dimensions (mm)		
	Item code	Part number	Width (mm)	Thickness (mm)	W	L	D
0.5 - 1	7 465 530	THQAP6,35	6.3	0.8	6.6	33	7.5
1.5 - 2.5	7 465 531	THQBP6,35	6.3	0.8	6.6	33	7.5
4 - 6	7 465 532	THQCP6,35	6.3	0.8	6.6	35	8.1

### THQM series



Conductor size (mm <sup>2</sup> )	Packing 100 pieces / box		Dimensions (mm)			
	Item code	Part number	Thickness (mm)	W	L	D
0.5 - 1	7 465 533	THQMA6,35	0.8	6.3	35	5.5
1.5 - 2.5	7 465 534	THQMB6,35	0.8	6.3	32	6
4 - 6	7 465 535	THQMC6,35	0.8	6.3	35	8.1





# Industrial electrical connections



Crimping splices with dual-wall heat-shrinkable insulation



**BHT series**

**Tooling** : see page

## Instructions

- Strip 8 mm of cable.
- Determine proper butt splice for the size of cable.
- Insert the first cable conductor into the butt splice up to the stop situated at the centre of the copper sleeve.
- Make the first crimp (PM2000G tool).
- Repeat this operation on the other side of the cable conductor (figures 1 & 2).
- For the shrink, apply heat from the centre up to each end of the sleeve.
- Continue to shrink until adhesive can be seen between the cable insulation and butt splice (fig. 3).
- Caution ! Do not use an open flame. The use of the hot air gun HL1810S is recommended (page 136).

Fig. 1

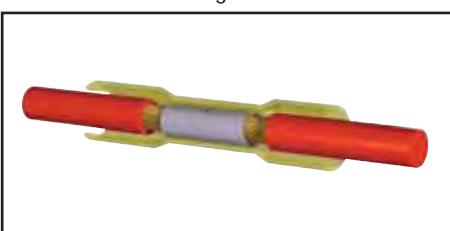


Fig. 2

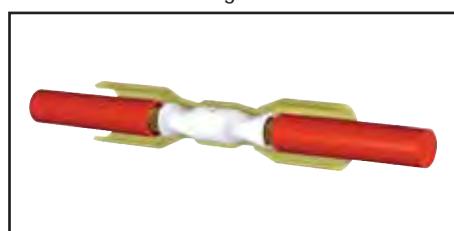
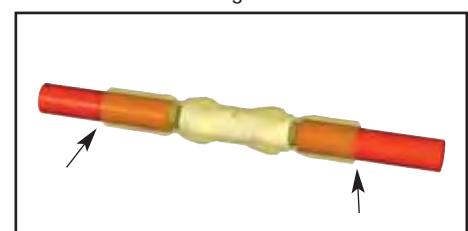
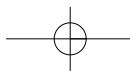
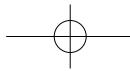


Fig. 3



Nominal cross section (mm <sup>2</sup> )	Packing 100 pieces / box		Insulation Ø max (mm)	Total length (mm)	Colour
	Item code	Part number			
0.5 - 1	7 469 930	BHT 1	4.2	36	Red
1.5 - 2.5	7 469 931	BHT 2	4.9	36	Blue
4 - 6	7 469 932	BHT 3	6.4	41	Yellow





# Industrial electrical connections



## Solder splices with dual-wall heat-shrinkable insulation



**SOUD** series

### General features

Solder splices offer a perfect waterproof seal in comparison to ordinary solder connections. This is due to the unique combination of the solder ring and the heat-shrinkable outer wall with the thermoplastic adhesive.

- Range from 0.1 to 6 mm<sup>2</sup> in 4 part numbers.
- Shrink ratio: 3/1.
- Shrink temperature: 120°C.
- Melting temperature of the solder alloy: 145° C min.
- Recommended shrinking temperature: 250° C.
- Operating temperature: from -55°C to +95°C.
- Insulation in compliance with MIL-I-23053/4 class 2 standard.
- Dielectric strength: 15 kV / mm.
- Volume resistivity: 10<sup>14</sup> Ω / cm.
- SOUD series.

**Tooling** : see page

### Instructions

- Strip cable conductors for approx 8 mm.
- Determine the proper solder splice for size of cable.
- Slide the solder splice over one end.
- Push both ends together to intermingle strands (fig. 1).
- Slide over joined cables until solder ring is positioned in the centre of stripped part (fig. 2).
- Apply heat from the centre to each end of the sleeve, use hot air heating tool until the sleeve is recovered.
- Focus heat on the solder until it becomes molten.
- If shrinking has been carried out properly, adhesive will be visible between cable and butt splice.
- Avoid overheating by setting correct temperature (250°C) and rotating heat source.
- Let splice cool down for a perfect connection.
- Caution! Do not use an open flame. The use of the hot air gun part HL1605S is recommended (page 136).

Fig. 1

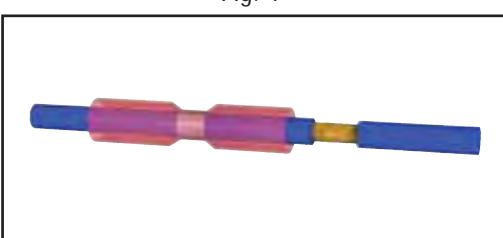


Fig. 2

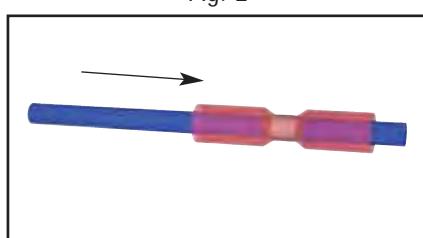
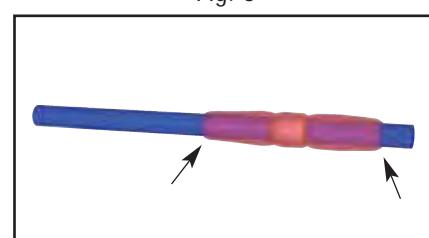
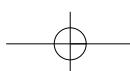
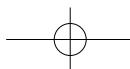


Fig. 3



Nominal cross section (mm <sup>2</sup> )	Packing 50 pieces / box		Insulation Ø max (mm)	Total length (mm)	Colour
	Item code	Part number			
0.2 - 0.75	7 469 940	SOUD 05	1.5	25	Transparent
0.8 - 2.0	7 469 941	SOUD 10	2.7	42	Red
2.0 - 4.0	7 469 942	SOUD 25	4.5	42	Blue
4.0 - 6.0	7 469 943	SOUD 60	6.0	42	Yellow





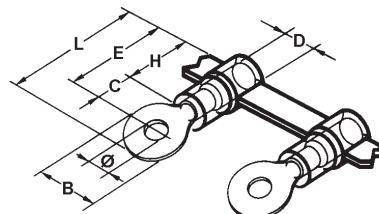
# Industrial electrical connections

## Chain preinsulated ring terminals



### General features

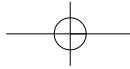
- Tin-plated copper terminals.
- PVC insulating sleeve with easy entry.
- Flammability rating: UL 94V0.

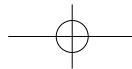
Compliant with **UL-CSA****Tooling** : see pages

Nominal cross section (mm <sup>2</sup> )	Item code	Part number	Bolt Ø (mm)	Dimensions (mm)						Quantity per reel	Applicators for NCA100T crimping machine
				B	C	L	H	E	D		
0.34 - 1.5	7 291 010	B-A-2	2	5.5	4.75	17.5	10	14.75	4.1	1 500	*NC-11 A
	7 291 011	BA-3 S	3	5.7	4.55	17.4	10	14.55	4.1		
	7 291 012	B-A-3	3	5.5	4.75	17.5	10	14.75	4.1		
	7 291 013	B-A-3,5 S	3.5	5.7	4.55	17.4	10	14.55	4.1		
	7 291 014	B-A-3,5	3.5	8	7.1	21.1	10	17.1	4.1		
	7 291 015	B-A-3,5 M	3.5	6.8	6	19.4	10	16	4.1		
	7 291 061	B-A-4 M	4	6.8	6	19.4	10	16	4.1		
	7 291 071	B-A-4	4	8	7.1	21.1	10	17.1	4.1		
	7 291 072	B-A-5	5	8	7.1	21.1	10	17.1	4.1		
	7 291 091	B-A-6	6	12	9.7	25.7	10	19.7	4.1		
1.0 - 2.5	7 291 118	B-A-8	8	12	9.7	25.7	10	19.7	4.1	1 500	NC-12 A
	7 291 145	B-B-2	2	6.5	4.95	18.2	10	14.95	4.5		
	7 291 146	B-B-3	3	6.5	4.95	18.2	10	14.95	4.5		
	7 291 147	B-B-3,5 S	3.5	6.6	7.6	20.9	10	17.6	4.5		
	7 291 148	B-B-3,5	3.5	6.5	4.95	18.2	10	14.95	4.5		
	7 291 149	B-B-3,5 M	3.5	8	7.5	21.5	10	17.5	4.5		
	7 291 161	B-B-4 S	4	6.6	6.6	19.9	10	16.6	4.5		
	7 291 151	B-B-4	4	8.5	7.75	22	10	17.75	4.5		
	7 291 190	B-B-4-M	4	8	7.5	21.5	10	17.5	4.5		
	7 291 191	B-B-5 M	5	8	7.5	21.5	10	17.5	4.5		
	7 291 201	B-B-5	5	9.5	7.75	22.5	10	17.75	4.5		
2.6 - 6	7 291 211	B-B-6	6	12	11	27	10	21	4.5	1 000	** NC-13 A
	7 291 221	B-B-8	8	12	11	27	10	21	4.5		
	7 291 222	B-B-10	10	15	12.5	30	10	22.5	4.5		
	7 291 265	B-C-3 S	3	9	7.2	25.7	14	21.2	6.8		
	7 291 266	B-C-3,5 S	3.5	9	7.2	25.7	14	21.2	6.8		
	7 291 267	B-C-3,5	3.5	9.5	8.25	27	14	22.25	6.8		
	7 291 271	B-C-4 S	4	9	7.2	25.7	14	21.2	6.8		
	7 291 281	B-C-4	4	9.5	8.25	27	14	22.25	6.8		
	7 291 302	B-C-5 S	5	9	7.2	25.7	14	21.2	6.8		
	7 291 301	B-C-5	5	9.5	8.25	27	14	22.25	6.8		
2.6 - 6	7 291 311	B-C-6	6	12	10.5	30.5	14	24.5	6.8	1 000	** NC-13 A
	7 291 321	B-C-8	8	15	14	35.5	14	28	6.8		
	7 291 331	B-C-10	10	15	14	35.5	14	28	6.8		

\* NC11A2 applicator is to be used for conductors from 0.3 to 0.5 mm<sup>2</sup>.\*\* NC13A2 is to be used for conductors from 2.6 to 3.5 mm<sup>2</sup> and NC13A for conductors from 3.5 to 6.6 mm<sup>2</sup>.

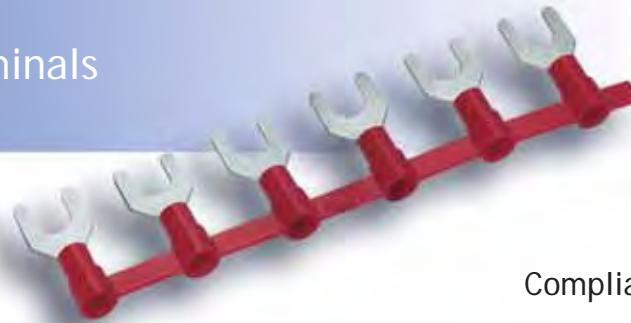
Note: for an applicator equipped with a microswitch, add the letter "S" to the part number. Eg. NC11A becomes NC11AS.





# Industrial electrical connections

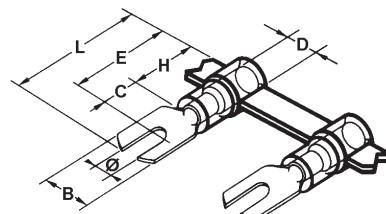
## Chain preinsulated fork terminals



### General features

- Tin-plated copper terminals.
- PVC insulating sleeve with easy entry.
- Flammability rating: UL 94V0.

Compliant with **UL-CSA**



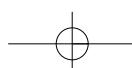
**Tooling** : see pages

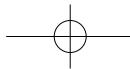
Nominal cross section (mm <sup>2</sup> )	Item code	Part number	Bolt Ø (mm)	Dimensions (mm)						Quantity per reel	Applicators for NCA100T crimping machine
				B	C	L	H	E	D		
0.34 - 1.5	7 291 385	B-RGF-A-3	3	5.8	6.6	21.5	10	16.6	4.1	1 500	*NC-11 A
	7 291 386	B-RGF-A-3,5 L	3.5	6.2	6.8	21.5	10	16.8	4.1		
	7 291 423	B-RGF-A-4 S	4	7	7.6	21.9	10	17.6	4.1		
	7 291 391	B-RGF-A-4 N	4	6.4	6.6	21.9	10	16.6	4.1		
	7 291 424	B-RGF-A-4 M	4	8.1	7.5	21.9	10	17.7	4.1		
	7 291 426	B-RGF-A-4 L	4	9.6	8.3	23	10	18.3	4.1		
	7 291 425	B-RGF-A-5	5	9.6	8.3	23	10	18.3	4.1		
	7 291 427	B-RGF-A-6	6	11	8.6	25.5	10	18.6	4.1		
1.0 - 2.5	7 291 445	B-RGF-B-3	3	5.9	6.6	21.3	10	16.6	4.5	1 500	NC-12 A
	7 291 446	B-RGF-B-3,5	3.5	6.4	6.6	21.3	10	16.6	4.5		
	7 291 449	B-RGF-B-4 S	4	7	7	21.3	10	17	4.5		
	7 291 451	B-RGF-B-4 N	4	6.4	6.6	31.3	10	16.6	4.5		
	7 291 452	B-RGF-B-4	4	8	7.1	21.5	10	17.1	4.5		
	7 291 453	B-RGF-B-4 M	4	10	8.7	22.6	10	18.7	4.5		
	7 291 454	B-RGF-B-5	5	8	7.1	21.5	10	17.1	4.5		
	7 291 455	B-RGF-B-5 M	5	10	8.7	22.6	10	18.7	4.5		
2.6 - 6	7 291 456	B-RGF-B-5 L	5	12	8.5	23.5	10	18.5	4.5	1 000	** NC-13 A
	7 291 457	B-RGF-B-6	6	12	8.6	23.5	10	18.6	4.5		
	7 291 530	B-RGF-C-3,5	3.5	9	7.2	25.7	14	21.2	6.8		
	7 291 531	B-RGF-C-4	4	9	7.2	25.7	14	21.2	6.8		
	7 291 541	B-RGF-C-5	5	9	7.2	25.7	14	21.2	6.8		
	7 291 551	B-RGF-C-6	6	12.5	12	32.7	14	26	6.8		

\* NC11A2 applicator is to be used for conductors from 0.3 to 0.5 mm<sup>2</sup>.

\*\* NC13A2 is to be used for conductors from 2.6 to 3.5 mm<sup>2</sup> and NC13A for conductors from 3.5 to 6.6 mm<sup>2</sup>.

Note: for an applicator equipped with a microswitch, add the letter "S" to the part number. Eg. NC11A becomes NC11AS.





# Industrial electrical connections



Chain preinsulated blade and pin terminals



## General features

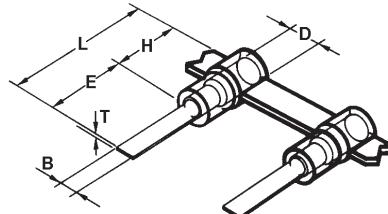
- Tin-plated copper terminals.
- PVC insulating sleeve with easy entry.
- Flammability rating: UL 94V0.

Compliant with **UL-CSA**



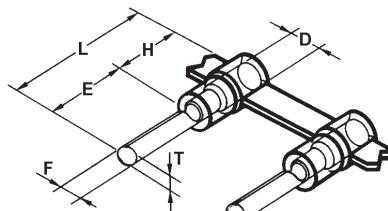
**Tooling** : see pages

## Chain preinsulated blade terminals



Nominal cross section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)						Quantity per reel	Applicators for NCA100T crimping machine
			B	E	L	H	D	T		
0.34 - 1.5	7 291 601	B-PFA-2,8	2.8	9.1	19.1	10	4.1	0.7	1 500	*NC-11 A
	7 291 603	B-PFA-3,4	3.4	10.3	20.3	10	4.1	0.7		
	7 291 590	B-PFA-2,2 C	2.2	10.5	20.5	10	4.1	0.7		
	7 291 605	B-PFA-3 C	3	11.2	21.2	10	4.1	0.7		
	7 291 602	B-PFA-3	3	14.6	24.6	10	4.1	0.7		
	7 291 607	B-PFA-2,2	2.2	18.5	28.5	10	4.1	0.7		
1.0 - 2.5	7 291 611	B-PFB-2,8	1.9	9.1	19.1	10	4.5	0.8	1 500	NC-12 A
	7 291 610	B-PFB-2,2	1.9	18.5	28.5	10	4.5	0.8		
2.6 - 6	7 291 619	B-PFC-2,8	2.8	10	24	14	6.8	0.9	1 000	** NC-13 A
	7 291 620	B-PFC-4,5 C	4.5	13	27	14	6.8	0.9		
	7 291 621	B-PFC-4,5	4.5	18	32	14	6.8	0.9		

## Chain preinsulated pin terminals

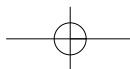


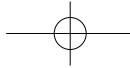
Nominal cross section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)						Quantity per reel	Applicators for NCA100T crimping machine
			F	E	L	H	D	T		
0.34 - 1.5	7 291 661	B-PRA-1,9	1.9	11.2	21.2	10	4.1	0.7	1 500	*NC-11 A
1.0 - 2.5	7 291 681	B-PRB-1,9	1.9	11.7	21.7	10	4.5	0.7	1 500	NC-12 A
2.6 - 6	7 291 682	B-PRC-2,7	2.7	12.5	26.5	14	6.8	0.9	1 000	** NC-13 A

\* NC11A2 applicator is to be used for conductors from 0.3 to 0.5 mm<sup>2</sup>.

\*\* NC13A2 is to be used for conductors from 2.6 to 3.5 mm<sup>2</sup> and NC13A for conductors from 3.5 to 6.6 mm<sup>2</sup>.

Note: for an applicator equipped with a microswitch, add the letter "S" to the part number. Eg. NC11A becomes NC11AS.





# Industrial electrical connections

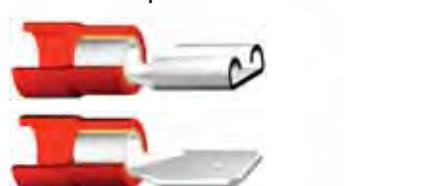


Chain preinsulated female and male disconnects



## General features

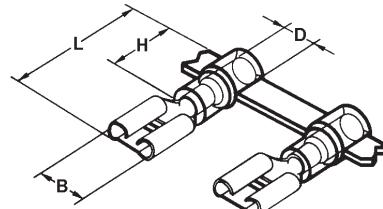
- Tin-plated brass disconnects.
- PVC insulating sleeve with easy entry.
- Copper sleeve.
- Grooves in the barrel provide a better tensile strength.
- Flammability rating: UL 94V0.



Compliant with UL-CSA

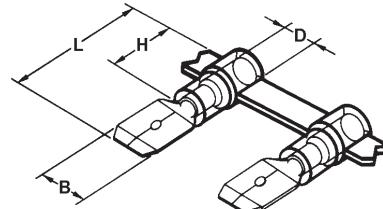
**Tooling** : see pages

## Chain preinsulated female disconnects

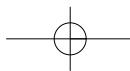


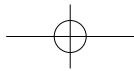
Conductor size (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)					Quantity per reel	Applicators for NCA100T crimping machine
			Disconnects	B	L	D	H		
0.34 - 1.5	7 291 701	B-QA-2,8-5	2.8 x 0.5	3.2	19.5	4.1	10	1 500	NC-11 A
	7 291 711	B-QA-2,8-8	2.8 x 0.8	3.2	19.5	4.1	10		
	7 291 712	B-QA-4,8-5	4.8 x 0.5	5	19.5	4.1	10		
	7 291 881	B-QA-4,8-8	4.8 x 0.8	5	19.5	4.1	10		
	7 291 781	B-QA-6,35	6.3 x 0.8	6.9	21	4.1	10		
1.0 - 2.5	7 291 875	B-QB-2,8-5	2.8 x 0.5	3.2	19.5	4.5	10	1 500	NC-12 A
	7 291 876	B-QB-2,8-8	2.8 x 0.8	3.2	19.5	4.5	10		
	7 291 877	B-QB-4,8-5	4.8 x 0.5	5	19.5	4.5	10		
	7 291 878	B-QB-4,8-8	4.8 x 0.8	5	19.5	4.5	10		
	7 291 791	B-QB-6,35	6.3 x 0.8	6.9	21	4.5	10		
2.6 - 6	7 291 801	B-QC-6,35	6.3 x 0.8	6.9	25	6.8	14	1 000	NC-13 A

## Chain preinsulated male disconnects



Conductor size (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)					Quantity per reel	Applicators for NCA100T crimping machine
			Disconnects	B	L	D	H		
0.34 - 1.5	7 291 811	B-QMA-6,35	6.3 x 0.8	6.35	21	4.1	10	1 500	NC-11 A
1.0 - 2.5	7 291 810	B-QMB-4,8	4.8 x 0.5	4.75	19.5	4.5	10	1 500	NC-12 A
	7 291 821	B-QMB-6,35	6.3 x 0.8	6.35	21	4.5	10		
2.6 - 6	7 291 823	B-QMC-6,35	6.3 x 0.8	6.35	25	6.8	14	1 000	NC-13 A





# Industrial electrical connections

Chain fully preinsulated female disconnects



## General features

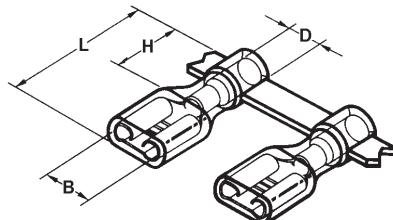
- Tin-plated brass disconnects.
- 6.6 Polyamide insulating sleeve with easy entry.
- Copper sleeve.
- Grooves in the barrel provide a better contact with the cable and a better tensile strength.
- Flammability rating: UL 94V2.

Compliant with **UL-CSA**

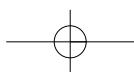


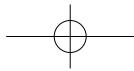
**Tooling** : see pages

## Chain fully preinsulated female disconnects



Conductor size (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)					Quantity per reel	Applicators for NCA100T crimping machine
			Disconnects	B	L	D	H		
0.34 - 1.5	7 291 870	B-QAP-4,8-5	4.8 x 0.5	5	19.5	4.1	9.8	1 500	NC-11 E
	7 291 872	B-QAP-4,8-8	4.8 x 0.8	5	19.5	4.1	9.8		
	7 291 871	B-QAP-6,35	6.3 x 0.8	6.9	21	4.1	9.8		
1.0 - 2.5	7 291 873	B-QBP-4,8-5	4.8 x 0.5	5	19.5	4.5	9.8	1 500	NC-12 E
	7 291 900	B-QBP-4,8-8	4.8 x 0.8	5	19.5	4.5	9.8		
	7 291 901	B-QBP-6,35	6.3 x 0.8	6.9	21	4.5	9.8		





# Industrial electrical connections

Automatic crimping machine  
for chain preinsulated terminals



## General features

Capacity: from 0.3 to 6.6 mm<sup>2</sup>.  
 Force: 12 kN.  
 Release: pedal or microswitch (depending on the products).  
 Air supply: 3/8" thread.  
 Air pressure:  
     - 5 bars min.  
     - 8 bars max.  
 Consumption: 0.5 litre per crimping operation.  
 Crimping time: 0.8 second.  
 Voltage: 220 volts.  
 Electric consumption: 20 watts.  
 Weight: 40 kg.



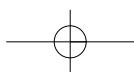
Item code: 7 490 121

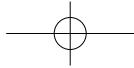
Part number: NCA 100 T

Note: see use details page 46.

## Comparative output per hour

Tooling	Number of crimped parts per hour
NCA100T crimping machine for chain terminals	2 000
Usual pneumatic tooling	350
Hand tool	120





# Industrial electrical connections

Automatic crimping machine  
for chain preinsulated terminals



## Operation

Using chain preinsulated terminals and disconnects, the product to be crimped is automatically positioned under crimping dies. If the microswitch is fitted the crimping operation will only start once the conductor is sufficiently introduced into the terminal. Due to the automatic process, this can be carried out by an operator with minimal experience. When using flexible conductors, the machine holds the cable in place preventing it from turning during application.



Insert the conductor into the terminal or disconnect.



Operation by foot pedal or through the microswitch.



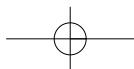
Next terminal or disconnect is automatically positioned under the dies.

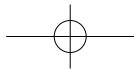
## Table of tooling

Products to be crimped	Colour of insulating sleeves	Conductor sizes ( $\text{mm}^2$ ) or male disconnect dimensions (mm)	Applicators for NCA100T crimping machine	
			Item code	Part number
Ring and fork terminals Cable pins and blade terminals Pages: 40 to 42	Red	0.3 - 0.5 $\text{mm}^2$	7 490 700	NC-11 A2
		0.5 - 1.6 $\text{mm}^2$	7 490 701	NC-11 A
	Blue	1.0 - 2.6 $\text{mm}^2$	7 490 710	NC-12 A
		2.6 - 3.5 $\text{mm}^2$	7 490 722	NC-13 A2
	Yellow	3.5 - 6.6 $\text{mm}^2$	7 490 721	NC-13 A
Female and male disconnects Page: 43	Red	0.3 - 1.5 $\text{mm}^2$	7 490 701	NC-11 A
	Blue	1.0 - 2.6 $\text{mm}^2$	7 490 710	NC-12 A
	Yellow	2.6 - 6.6 $\text{mm}^2$	7 490 721	NC-13 A
Fully preinsulated female disconnects Page: 44	Red	4.8 x 0.5 mm	7 490 732	NC-11 E
		4.8 x 0.8 mm		
		6.3 x 0.8 mm	7 490 733	NC-11 F
	Blue	4.8 x 0.5 mm	7 490 711	NC-12 F
		4.8 x 0.8 mm		
		6.3 x 0.8 mm	7 490 711	NC-12 F

## Microswitch

Ring and fork terminals, cable pins and blade terminals crimping can be triggered by a microswitch set on the applicator.  
In that case, please order an applicator with its part number followed by the letter "S".  
Eg.: NC11A becomes NC11AS.





# Industrial electrical connections

Non insulated end sleeves

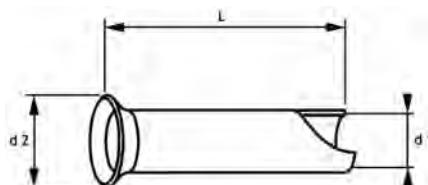


## General features

Compliant with DIN 46228/1

- Material: tin-plated copper.
- Products in compliance with DIN 46228/1 standard.

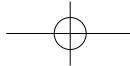
**Tooling** : see pages



- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE

Conductor size (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)		
			d1	d2	L
0.25	7 177 001	AH-0.2-5 AE000255	0.8	1.7	5
	7 177 003	AH-0.2-7 AE000257	0.8	1.7	7
0.34	7 177 011	AH-0.3-5 AE000345	0.9	1.8	5
	7 177 013	AH-0.3-7 AE000347	0.9	1.8	7
0.5	7 177 021	AH-0.5-6 AE0056	1	2.1	6
	7 177 023	AH-0.5-8 AE0058	1	2.1	8
	7 177 025	AH-0.5-10 AE00510	1	2.1	10
		AE00512	1	2.1	12
0.75	7 177 031	AH-0.7-6 AE00756	1.2	2.3	6
	7 177 033	AH-0.7-8	1.2	2.3	8
	7 177 035	AH-0.7-10 AE007510	1.2	2.3	10
	7 177 037	AH-0.7-12 AE007512	1.2	2.3	12
1	7 177 051	AH-1-6 AE016	1.4	2.5	6
	7 177 053	AH-1-8 AE018	1.4	2.5	8
	7 177 055	AH-1-10 AE0110	1.4	2.5	10
	7 177 057	AH-1-12 AE0112	1.4	2.5	12
1.5	7 177 071	AH-1.5-7 AE0157	1.7	2.8	7
		AE0158	1.7	2.8	8
	7 177 073	AH-1.5-10 AE01510	1.7	2.8	10
	7 177 075	AH-1.5-12 AE01512	1.7	2.8	12

Conductor size (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)		
			d1	d2	L
1.5	7 177 077	AH-1.5-15 AE0251	1.7	2.8	15
	7 177 079	AH-1.5-18 AE0257	1.7	2.8	18
2.5	7 177 091	AH-2.5-7 AE0258	2.2	3.4	7
	7 177 093	AH-2.5-10 AE02510	2.2	3.4	10
4	7 177 095	AH-2.5-12 AE02512	2.2	3.4	12
	7 177 097	AH-2.5-15 AE02518	2.2	3.4	15
	7 177 099	AH-2.5-18 AE02518	2.2	3.4	18
	7 177 101	AH-2.5-20 AE049	2.2	3.4	20
6	7 177 111	AH-4-9 AE049	2.8	4	9
	7 177 110	AH-4-10 AE0412	2.8	4	10
	7 177 113	AH-4-12 AE0412	2.8	4	12
	7 177 115	AH-4-15 AE0415	2.8	4	15
10	7 177 117	AH-4-18 AE0418	2.8	4	18
	7 177 119	AH-4-20 AE0418	2.8	4	20
	7 177 131	AH-6-10 AE06100	3.5	4.7	10
	7 177 133	AH-6-12 AE06120	3.5	4.7	12
10	7 177 135	AH-6-15 AE06150	3.5	4.7	15
	7 177 137	AH-6-18 AE06180	3.5	4.7	18
		AH-6-20 AE06180	3.5	4.7	20
	7 177 151	AH-10-12 AE10120	4.5	5.8	12
10	7 177 153	AH-10-15 AE10150	4.5	5.8	15



# Industrial electrical connections

## Non insulated end sleeves

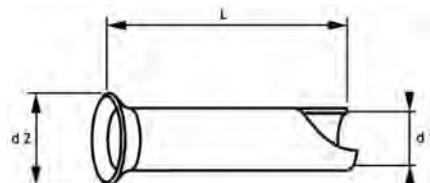


### General features

Compliant with DIN 46228/1

- Material: tin-plated copper.
- Products in compliance with DIN 46228/1 standard.

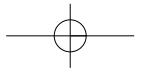
**Tooling** : see pages 148-149

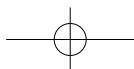


- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE

Conductor size (mm²)	Item code	Part number	Dimensions (mm)		
			d1	d2	L
10	7 177 155	AH-10-18	4.5	5.8	18
		AE10180			
16	7 177 157	AH-10-20	4.5	5.8	20
		AE10200			
16	7 177 171	AH-16-12	5.8	7.5	12
		AE16120			
16	7 177 173	AH-16-15	5.8	7.5	15
		AE16150			
16	7 177 175	AH-16-18	5.8	7.5	18
		AE16180			
16	7 177 177	AH-16-20	5.8	7.5	20
		AE16200			
16	7 177 179	AH-16-25	5.8	7.5	25
		AE16250			
16	7 177 181	AH-16-32	5.8	7.5	32
		AE16320			
25	7 177 191	AH-25-12	7.3	9.5	12
		AE25120			
25	7 177 193	AH-25-15	7.3	9.5	15
		AE25150			
25	7 177 195	AH-25-18	7.3	9.5	18
		AE25180			
25		AE25200	7.3	9.5	20
		AE25200			
25	7 177 197	AH-25-25	7.3	9.5	25
		AE25250			
25	7 177 199	AH-25-32	7.3	9.5	32
		AE25320			
35		AE35150	8.3	11	15
	7 177 211	AH-35-18	8.3	11	18
		AE35180			
		AE35200	8.3	11	20
	7 177 213	AH-35-25	8.3	11	25
		AE35250			
		AE35300	8.3	11	30
	7 177 215	AH-35-32	8.3	11	32
		AE35320			

Conductor size (mm²)	Item code	Part number	Dimensions (mm)		
			d1	d2	L
50	7 177 231	AH-50-18	10.3	13	18
		AE50180			
	7 177 233	AH-50-22	10.3	13	22
		AE50220			
50	7 177 235	AH-50-25	10.3	13	25
		AE50250			
	7 177 237	AH-50-32	10.3	13	32
		AE50320			
70		AE70220	12.5	15	22
		AE70250	12.5	15	25
		AE70320	12.5	15	32
		AE95250	14.5	17	25
95		AE95300	14.5	17	30
		AE95320	14.5	17	32
		AE120320	16.5	19	32
		AE120340	16.5	19	34
120		AE120400	16.5	19	40
		AE150320	18.5	21	32
		AE150340	18.5	21	34
		AE150400	18.5	21	40
150		AE185320	20.0	23	32
		AE185400	20.0	23	40





# Industrial electrical connections



## Preinsulated end sleeves



### General features

- Material: tin-plated copper.
- Polypropylene insulating sleeve.
- Max. operating temperature: 105 °C.

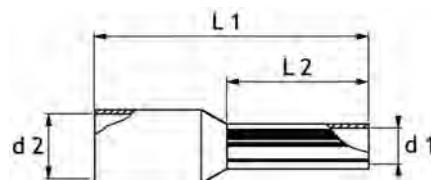
Compliant with DIN 46228/4 and NFC 63023

### CE/CA series

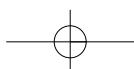


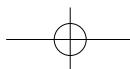
Tooling : see pages

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm <sup>2</sup> )	NFC 63023			DIN 46228/4			DIN 46228/4 except colors			Dimensions (mm)			
	item code	Part number	Colour	item code	Part number	Colour	item code	Part number	Colour	d1	d2	L1	L2
0.14		AJ001460T								0.7	1.1	10	6
		AJ001480T								0.7	1.1	12	8
0.25		AJ002560T		7 170 031	CE 002 D			AJ002560		0.75	1.8	10	6
		AJ002580T						AJ002580		0.75	1.8	12	6
0.34		AJ003460T						AJ003460					
	7 170 041	CE 003		7 170 042	CE 003 D		7 170 043	CE 003 W		0.8	2	12	8
		AJ003480T						AJ003480					
		AJ00560T			AJ00560D			AJ00560					
0.5	7 170 051	CE 005		7 170 051	CE 005		7 170 052	CE 005 W		1	2.6	14	8
		AJ00580T			AJ00580D			AJ00580					
		AJ005100T			AJ005100D			AJ005100					
		AJ007560T			AJ007560D			AJ007560					
0.75	7 170 071	CE 007		7 170 072	CE 007 D		7 170 073	CE 007 W		1.2	2.8	14	8
		AJ007580T			AJ007580D			AJ007580					
		AJ0075100T			AJ0075100D			AJ0075100					
	7 170 081	CE 0072			CE 0072 D		7 170 083	CE 0072 W		1.2	2.8	18	12
		AJ0075120T			AJ007520D			AJ0075120					
		AJ0160T			AJ0160D			AJ0160					
1	7 170 101	CE 010		7 170 101	CE 010		7 170 102	CE 010 W		1.4	3	14	8
		AJ0180T			AJ0180D			AJ0180					
		AJ01100T			AJ01100D			AJ01100					
	7 170 261	CE 0103		7 170 261	CE 0103		7 170 103	CE 0103 W		1.4	3	18	12
		AJ01120T			AJ01120D			AJ01120					
2.5	7 170 151	CE 015		7 170 151	CE 015		7 170 154	CE 015 W		1.7	3.5	14	8
		AJ01580T			AJ01580D			AJ01580					
		AJ015100T			AJ015100D			AJ015100					
	7 170 152	CE 0152		7 170 152	CE 0152		7 170 155	CE 0152 W		1.7	3.5	18	12
		AJ015120T			AJ015120D			AJ015120					
	7 170 153	CE 0153		7 170 153	CE 0153		7 170 156	CE 0153 W		1.7	3.5	24	18
		AJ015180T			AJ015180D			AJ015180					





# Industrial electrical connections

## Preinsulated end sleeves



### General features

- Material: tin-plated copper.
- Polypropylene insulating sleeve.
- Max. operating temperature: 105 °C.

Compliant with DIN 46228/4 and NFC 63023



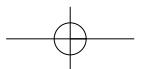
**CE/CA series**

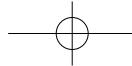


- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE

Tooling : see pages

Conductor size (mm <sup>2</sup> )	NFC 63023			DIN 46228/4			DIN 46228/4 except colors			Dimensions (mm)			
	item code	Part number	Colour	item code	Part number	Colour	item code	Part number	Colour	d1	d2	L1	L2
2.5	7 170 251	CE 025 AJ02580T	■■■■■	7 170 256	CE 025 D AJ02580D	■■■■■	7 170 256	CE 025 D AJ02580D	■■■■■	2.2	4.2	14	8
	7 170 252	CE 0252 AJ025120T	■■■■■	7 170 271	CE 0252 D AJ025120D	■■■■■	7 170 271	CE 0252 D AJ025120	■■■■■	2.2	4.2	18	12
	7 170 253	CE 0253 AJ025180T	■■■■■	7 170 272	CE 0253 D AJ025180D	■■■■■	7 170 272	CE 0253 D AJ025180	■■■■■	2.2	4.2	24	18
4	7 170 051	CA 042 AJ4100T	■■■■■	7 170 422	CA 042 D AJ04100D	■■■■■	7 170 422	CA 042 D AJ04100	■■■■■	1	2.6	14	8
	7 170 401	CA 040 AJ04120T	■■■■■	7 170 423	CA 040 D AJ04120D	■■■■■	7 170 423	CA 040 D AJ04120	■■■■■	2.8	4.8	20	12
	7 170 431	CA 043 AJ04180T	■■■■■	7 170 424	CA 043 D AJ04180D	■■■■■	7 170 424	CA 043 D AJ04180	■■■■■	2.8	4.8	26	18
6	7 170 621	CA 062 AJ06120T	■■■■■	7 170 622	CA 062 D AJ06120D	■■■■■	7 170 623	CA 062 W AJ06120	■■■■■	3.5	6.3	20	12
	7 170 631	CA 063 AJ06180T	■■■■■	7 170 632	CA 063 D AJ06180D	■■■■■	7 170 633	CA 063 W AJ06180	■■■■■	3.5	6.3	26	18
10	7 171 021	CA 102 AJ10120T	■■■■■	7 171 022	CA 102 D AJ10120 D	■■■■■	7 171 620	CA 102 W AJ10120	■■■■■	4.5	7.6	22	12
	7 171 031	CA 103 AJ10180T	■■■■■	7 171 032	CA 103 D AJ10180D	■■■■■	7 171 033	CA 103 W AJ10180	■■■■■	4.5	7.6	28	18
16	7 171 621	CA 162 AJ16120T	■■■■■	7 171 622	CA 162 D AJ16120D	■■■■■	7 171 630	CA 162 W AJ16120	■■■■■	5.8	8.8	24	12
	7 171 631	CA 163 AJ16180T	■■■■■	7 171 632	CA 163 D AJ16180D	■■■■■	7 171 633	CA 163 W AJ16180	■■■■■	5.8	8.8	28	18
25	7 172 531	CA 253 AJ25160T	■■■■■	7 172 533	CA 253 D AJ25160D	■■■■■	7 172 532	CA 253 W AJ25160	■■■■■	7.3	11.2	30	16
		AJ25180T	■■■■■		AJ25180D	■■■■■		AJ25180	■■■■■	8.3	12.7	32	18
	7 172 501	CA 252 AJ25220T	■■■■■	7 172 502	CA 252 D AJ25220D	■■■■■	7 172 503	CA 252 W AJ25220	■■■■■	7.3	11.2	36	22
35	7 172 541	CA 352 AJ35160T	■■■■■	7 172 541	CA 352 D AJ35160D	■■■■■	7 172 542	CA 352 W AJ35160	■■■■■	8.3	12.7	30	16
	7 172 551	CA 350 AJ35180T	■■■■■	7 172 551	CA 350 D AJ35180D	■■■■■	7 172 552	CA 350 W AJ35180	■■■■■	8.3	12.7	30	18
50		AJ35250T	■■■■■		AJ35250D	■■■■■		AJ35250	■■■■■	8.3	12.7	39	25
	7 172 561	AJ50160T	■■■■■		AJ50160D	■■■■■		AJ50160	■■■■■	10.3	15	36	16
		CA 502	■■■■■	7 172 561	CA 502 D	■■■■■	7 172 562	CA 502 W	■■■■■	10.3	15	36	20
		AJ50250T	■■■■■		AJ50250D	■■■■■		AJ50250	■■■■■	10.3	15	40	25
70		AJ70210T	■■■■■							13.5	16	37	21
95		AJ95250T	■■■■■							14.7	18	44	25
120		AJ120270T	■■■■■							16.7	20	48	27
150		AJ150320T	■■■■■							19	23	58	32





# Industrial electrical connections

“Twin” preinsulated end sleeves



## General features

- Two conductors of same size in only one end sleeve.
- Material: tin-plated copper and insulating housing.
- Polypropylene insulating sleeve.
- Max. operating temperature: 105°C.



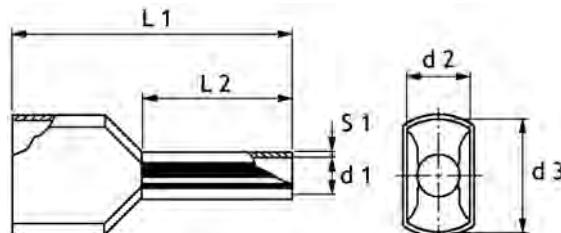
Colours according to DIN 46228/4  
and NFC 63023

TE series

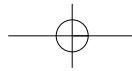


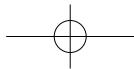
Tooling : see pages

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Conductor size (mm <sup>2</sup> )	NFC 63023			DIN 46228/4			Dimensions (mm)						Tool size required
	item code	Part number	Colour	item code	Part number	Colour	L1	L2	d1	S1	d2	d3	
2 x 0.5	7173 491	TE 0508 AJ00580TT		7173 491	TE 0508 AJ00580DD		15	8	1.4	0.15	2.5	4.7	0.50 - 0.75
2 x 0.75	7173 501	TE 7508 AJ007580TT		7173 621	TE 0508D AJ007580DD		15	8	1.7	0.15	2.8	5	1 - 1.5
	7173 511	TE 0510 AJ0075100TT		7173 631	TE 7508D AJ0075100DD		17	10	1.7	0.15	2.8	4.7	1 - 1.5
2 x 1.0	7173 521	TE 1008 AJ0180TT		7173 521	TE 1008 AJ0180DD		15	8	2	0.15	3.4	5.4	1 - 1.5
	7173 511	TE 1010 AJ01100TT		7173 631	TE 1010 AJ01100DD		17	10	2	0.15	3.4	5.4	1 - 1.5
2 x 1.5	7173 541	TE 1508 AJ01580TT		7173 541	TE 1008 AJ01580DD		16	8	2.2	0.15	3.6	6.6	2.5
	7173 551	TE 1512 AJ015120TT		7173 651	TE 1512 AJ015120DD		20	12	2.2	0.15	3.6	6.6	2.5
2 x 2.5	7173 561	TE 2510 AJ025100TT		7173 562	TE 2510D AJ025100DD		18.5	10	2.8	0.2	4.2	7.8	6
	7173 571	TE 1512 AJ025130TT		7173 651	TE 2513D AJ025130DD		21.5	13	2.8	0.2	4.2	7.8	6
2 x 4	7173 581	TE 4012 AJ04120TT		7173 661	TE 4012D AJ04120DD		23	12	3.7	0.2	4.9	8.8	6
2 x 6	7173 591	TE 6014 AJ06140TT		7173 592	TE 6014D AJ06140DD		26	14	4.8	0.2	6.9	10	10
2 x 10	7173 601	TE 10014 AJ10140TT		7173 681	TE 10014D AJ10140DD		26	14	6.4	0.2	7.2	13	25
2 x 16	7173 611	TE 16014 AJ16140TT		7173 691	TE 16014D AJ16140DD		30	14	8.2	0.2	9.6	18	35





# Industrial electrical connections



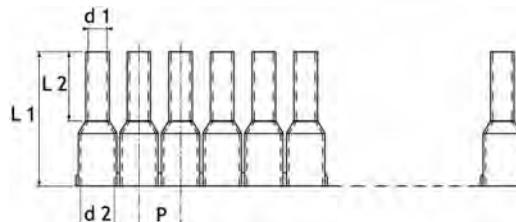
## Preinsulated end sleeve strips



Compliant with **NF C 63023**

### General features

- Material: tin-plated copper.
- Polypropylene insulating sleeve.
- Max. operating temperature: 105°C.



Conductor size (mm <sup>2</sup> )	Item code	Part number	Colour	Packing	Dimensions (mm)				
					L1	L2	d1	d2	P
0.5	7 173 701	LCE 005		500 (10 x 50)	14	8	1	2.8	3.6
0.75	7 173 711	LCE 007	■	500 (10 x 50)	14	8	1.2	2.8	3.6
1	7 173 721	LCE 010	■■	500 (10 x 50)	14	8	1.4	3.3	4.2
1.5	7 173 731	LCE 015	■■■	500 (10 x 50)	14	8	1.7	3.3	4.2
2.5	7 173 741	LCE 025	■■■■	400 (10 x 40)	14	8	2.2	4.2	5

## Tooling

### General features

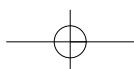
Suitable to cut/strip cable and crimp end sleeves from 0.5 to 2.5 mm<sup>2</sup>.

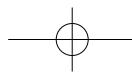
- Only one tool for 3 functions in order to save time.
- Cut and strip cable independently of crimping end sleeves.
- Crimps chain end sleeves.
- Crimps end sleeves in compliance with EN 50 027 and DIN 46 228 standards.
- Automatically advances the next end sleeve for crimping.
- Fast adjustment of crimping cylinder marked with selected conductor size.
- The three operations are done without releasing tool or cable.
- Stripping is done automatically without adjustment.
- Length: 210 mm.
- Weight: 260 g.



Item code: 7 500 074

Part number: PZL 025





# Industrial electrical connections

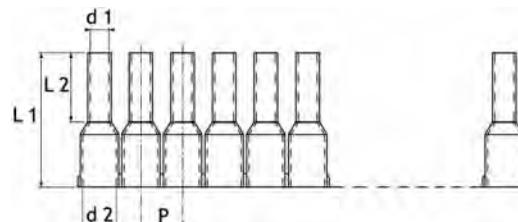
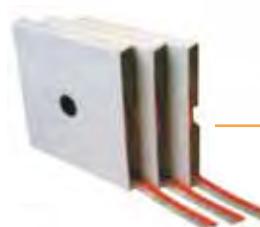
## Preinsulated end sleeve tapes



## General features

- Material: tin-plated copper.
  - Polypropylene insulating sleeve.
  - Max. operating temperature: 105 °C.

Compliant with **NF C 63023**



Conductor size (mm <sup>2</sup> )	Item code	Part number	Colour	Packing	Dimensions (mm)				
					L1	L2	d1	d2	P
0.5	7 175 301	BCE 005	■	1 000	14.5	8	1.1	2.6	3.5
0.75	7 175 311	BCE 007	■	1 000	14.5	8	1.3	2.8	3.6
1	7 175 321	BCE 010	■	1 000	14.5	8	1.5	3	3.9
1.5	7 175 331	BCE 015	■	1 000	14.5	8	1.8	3.4	4.2
2.5	7 175 341	BCE 025	■	500	14.5	8	2.3	4.2	5

## Tooling

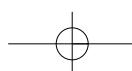
## General features

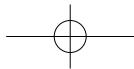
- Crimping of end sleeves in compliance with DIN 46228 and NFC 63023 standards.
  - Supplied with 5 feed units, 5 crimping inserts and 5 replacement separators.
  - Electrical supply: 220 V - 50 Hz.
  - Crimp cycle: approx 1.5 s.
  - Change of conductor size: approx 10 s.
  - Counter: LED screen.
  - Dimensions: 165 x 270 x 320 mm.
  - Weight: 12 kg.



Item code: 7480101

Part number: MC-25





# Industrial electrical connections



## 6.35 Receptacles and housings



### General features

#### Receptacles:

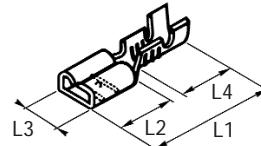
- Material: brass.
- Thickness: 0.40 mm.

#### Housings:

- 6/6 polyamide -105 °C.

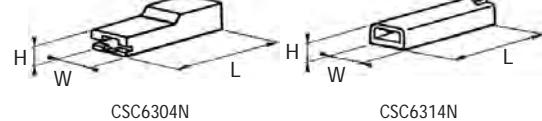
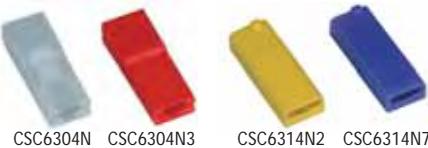
**Tooling** : see pages

### Receptacles for 6.35 tabs



Conductor size (mm <sup>2</sup> )	Packing / 1000 pieces				Max. on insulation	L1	L2	L3	L4					
	Brass (unplated)		Tin-plated brass											
	Item code	Part number	Item code	Part number										
0.5 to 1	7 191 144	00428V	7 191 142	00428DV	3	19	7.7	7.6	8.5					
1 to 2.5	7 191 164	00429V	7 191 163	00429DV	4	19	7.7	7.6	8.5					
2.5 to 6	7 191 183	00430V	7 191 182	00430DV	4.8	19	7.7	7.6	9					

### Front entry latched housings



Packing / 1000 pieces		Colour	W	L	H
Item code	Part number				
7 199 700	CSC6304N	Natural	9.5	25.5	5
7 199 720	CSC6314N	Natural	9	24	5

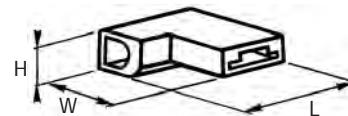
For coloured housings, please suffix the PN with:  
2 for **yellow**, 3 for **red**, 4 for **green**, 5 for **black**, 6 for **blue**, 7 for **purple**, 8 for **grey**, 9 for **white**, 10 for **brown**.

### 6.35 Flag receptacles



Conductor size (mm <sup>2</sup> )	Packing / 1000 pieces				Max. on insulation	L1	L2	L3	L4					
	Brass (unplated)		Tin-plated brass											
	Item code	Part number	Item code	Part number										
0.5 to 1.5	7 191 009	00421-2V	7 191 007	00421-2DV	3	14.1	7	7.7	11					

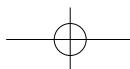
### Housings for flag receptacles



Packing / 1000 pieces		Colour	W	L	H	Way
Item code	Part number					
7 199 730	CSC6313N	Natural	15.5	15	5.5	1

For coloured housings, please suffix the PN with:  
2 for **yellow**, 3 for **red**, 4 for **green**, 5 for **black**, 6 for **blue**, 7 for **purple**, 8 for **grey**, 9 for **white**, 10 for **brown**.





# Industrial electrical connections



## 6.35 Receptacles and housings



### General features

#### Receptacles:

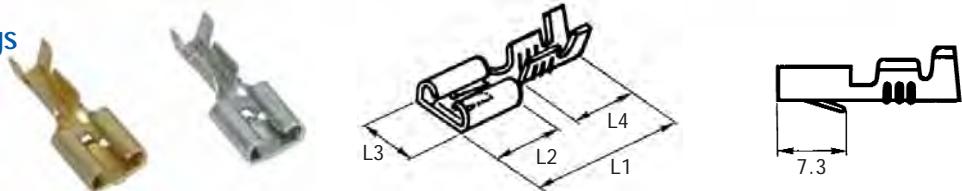
- Material: brass.
- Thickness: 0.40 mm.

#### Housings:

- 6/6 polyamide -105 °C.

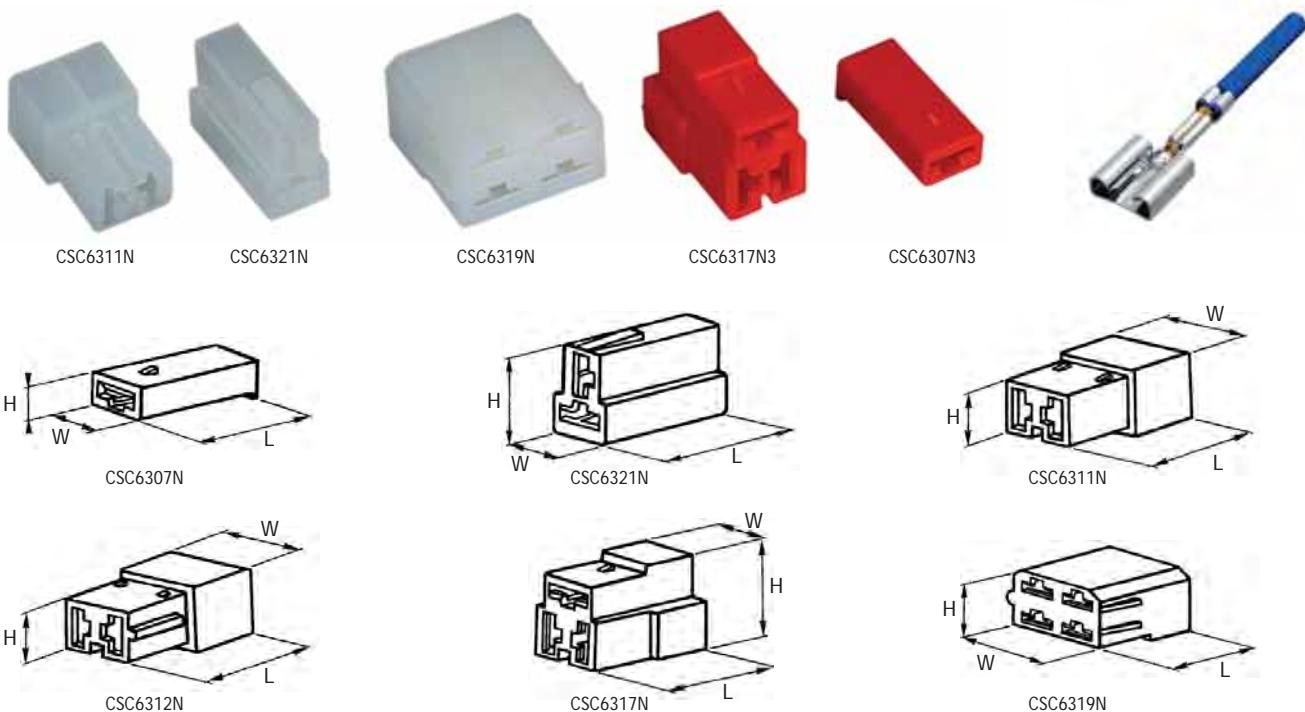
**Tooling**: see pages 148-149

## 6.35 Receptacles for housings



Conductor size (mm <sup>2</sup> )	Packing / 1000 pieces				Max. on insulation	L1	L2	L3	L4					
	Brass (unplated)		Tin-plated brass											
	Item code	Part number	Item code	Part number										
0.5 to 1	7 191 082	00425V	7 191 084	00425DV	3.5	19	7.7	7.6	8.5					
1 to 2.5	7 191 103	00426V	7 191 102	00426DV	4	19	7.7	7.6	8.5					
2.5 to 6	7 191 123	00427V	7 191 124	00427DV	5	19	7.7	7.6	8.5					

## Housings for 6.35 receptacles

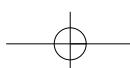


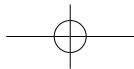
Item code	Part number	Packing	Colour	W	L	H	Quantity of ways	Tab housings*
7 199 750	CSC6307N	1 000	Naturel	9.8	23	6.3	1	CSC6306N
7 199 800	CSC6312N	1 000	Naturel	15.2	31.6	10.2	2	CSC6310N
7 199 790	CSC6311N	1 000	Naturel	15.2	23	10.2	2	CSC6308N
7 199 830	CSC6321N	500	Naturel	10	23	16.6	2	CSC6320N
7 199 850	CSC6317N	500	Naturel	9.8	22.8	18.4	3	CSC6316N
7 199 870	CSC6319N	500	Naturel	22.9	23.9	14.5	4	CSC6318N

For coloured housings, please suffix the PN with:

2 for yellow, 3 for red, 4 for green, 5 for black, 6 for blue, 7 for purple, 8 for grey, 9 for white, 10 for brown.

\* see page 61.

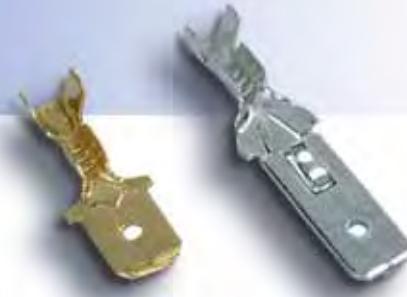




# Industrial electrical connections



## 6.35 Tabs and housings



### General features

#### Tabs:

- Material: brass.
- Thickness: 0.40 mm.

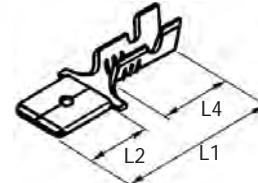
#### Housings:

- 6/6 polyamide -105 °C.

[Tooling](#) : see pages

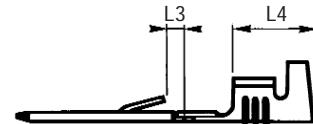
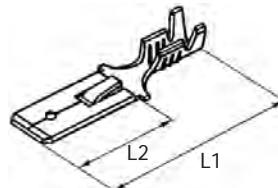
### 6.35 x 0.8 Tabs

(Note: cannot be set up on housings)



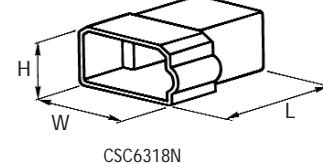
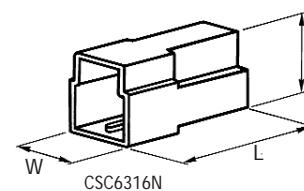
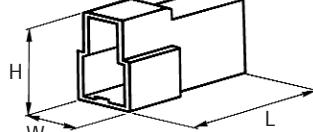
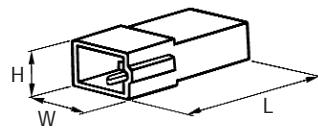
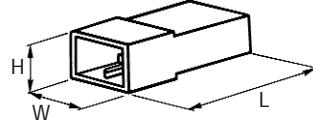
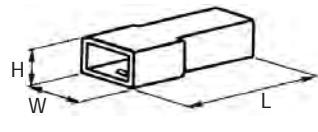
Conductor size (mm <sup>2</sup> )	Packing / 1000 pieces				Max. on insulation	L1	L2	L4				
	Brass (unplated)		Tin-plated brass									
	Item code	Part number	Item code	Part number								
0.5 to 1.5	7 191 445	00451V	7 191 443	00451DV	3.4	19.2	8	8.6				

### 6.35 x 0.8 Tabs for housings



Conductor size (mm <sup>2</sup> )	Packing / 1000 pieces				Max. on insulation	L1	L2	L4				
	Brass (unplated)		Tin-plated brass									
	Item code	Part number	Item code	Part number								
0.5 to 1	7 191 483	00453V	7 191 484	00453DV	3	28	15.8	7.6				
1 to 2.5	7 191 683	00467V	7 191 681	00467DV	3.6	28	15.8	7.6				

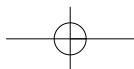
### Housings for 6.35 tabs

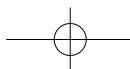


Packing / 500 pieces		Colour	W	L	H	Quantity of ways	Receptacle housings*
Item code	Part number						
7 199 740	CSC6306N	Natural	12.4	31.6	9.3	1	CSC6307N
7 199 770	CSC6308N	Natural	15.2	31.6	13.1	2	CSC6311N
7 199 780	CSC6310N	Natural	15.2	31.6	13.1	2	CSC6312N
7 199 820	CSC6320N	Natural	12.7	30.5	20	2	CSC6321N
7 199 840	CSC6316N	Natural	15.2	31.7	20	3	CSC6317N
7 199 860	CSC6318N	Natural	27.9	32.5	17.1	4	CSC6319N

For coloured housings, please suffix the PN with:  
2 for **yellow**, 3 for **red**, 4 for **green**, 5 for **black**, 6 for **blue**, 7 for **purple**, 8 for **grey**, 9 for **white**, 10 for **brown**.

\* see page 60.





# Industrial electrical connections

**6.3 x 0.8 mm tabs**



## General features

6.3 x 0.8 mm Tabs in unplated or tin-plated brass.

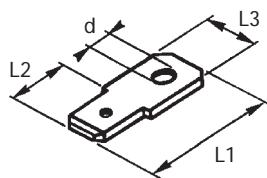


Fig. 1

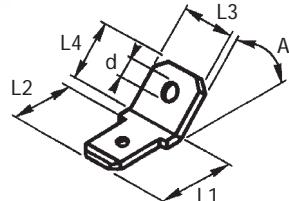


Fig. 2

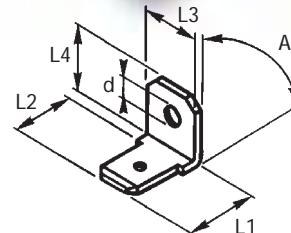


Fig. 3

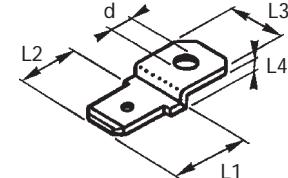


Fig. 4

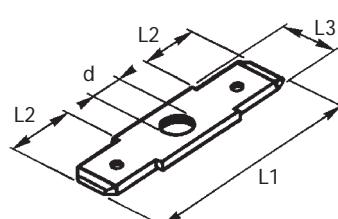


Fig. 5

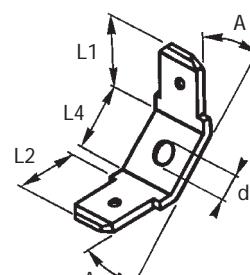


Fig. 6

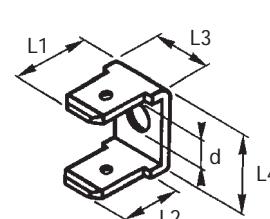
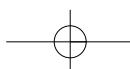
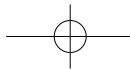


Fig. 7

Figure	Packing / 1000 pieces				d (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	A (mm)						
	Brass (unplated)		Tin-plated brass													
	Item code	Part number	Item code	Part number												
1	7 196 041	01100V	7 196 040	01100DV	3.2	19	8	8								
	7 196 062	01101V	7 196 060	01101DV	3.7	19	8	8								
	7 196 081	01102V	7 196 080	01102DV	4.2	19	8	8								
	7 196 101	01103V	7 196 100	01103DV	5.2	19	8	8								
2	7 196 241	01110V	7 196 240	01110DV	3.2	10	8	8	9	45°						
	7 196 261	01111V	7 196 260	01111DV	3.7	10	8	8	9	45°						
	7 196 281	01112V	7 196 280	01112DV	4.2	10	8	8	9	45°						
	7 196 301	01113V	7 196 300	01113DV	5.2	10	8	8	9	45°						
3	7 196 441	01120V	7 196 440	01120DV	3.2	10	8	8	9	90°						
	7 196 461	01121V	7 196 460	01121DV	3.7	10	8	8	9	90°						
	7 196 481	01122V	7 196 480	01122DV	4.2	10	8	8	9	90°						
	7 196 501	01123V	7 196 500	01123DV	5.2	10	8	8	9	90°						
4	7 196 641	01130V	7 196 640	01130DV	3.2	9	8	8	1.7							
	7 196 661	01131V	7 196 660	01131DV	3.7	9	8	8	1.7							
	7 196 681	01132V	7 196 680	01132DV	4.2	9	8	8	1.7							
	7 196 701	01133V	7 196 700	01133DV	5.2	9	8	8	1.7							
5	7 197 601	01200V	7 197 600	01200DV	3.2	30	8	8								
	7 197 621	01201V	7 197 620	01201DV	3.7	30	8	8								
	7 197 641	01202V	7 197 640	01202DV	4.2	30	8	8								
	7 197 661	01203V	7 197 660	01203DV	5.2	30	8	8								
6	7 197 801	01210V	7 197 800	01210DV	3.2	10	8	8	10	45°						
	7 197 821	01211V	7 197 820	01211DV	3.7	10	8	8	10	45°						
	7 197 841	01212V	7 197 840	01212DV	4.2	10	8	8	10	45°						
	7 197 861	01213V	7 197 860	01213DV	5.2	10	8	8	10	45°						
7	7 198 001	01220V	7 198 000	01220DV	3.2	10	8	8	10	90°						
	7 198 021	01221V	7 198 020	01221DV	3.7	10	8	8	10	90°						
	7 198 041	01222V	7 198 040	01222DV	4.2	10	8	8	10	90°						
	7 198 061	01223V	7 198 060	01223DV	5.2	10	8	8	10	90°						





# Industrial electrical connections

Copper tubular lugs from 4 to 70 mm<sup>2</sup>  
NFC 20-130



Compliant with **NF C 20-130**

**C and CT** series

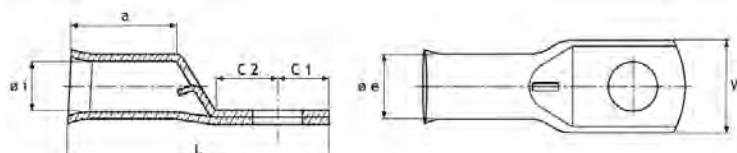


## General features

- Electrolytic tin-plating process.
- Other plating on request.
- Bell entry from 10 mm<sup>2</sup>.
- Straight entry on request, remove "T" from part number.

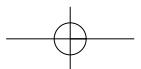
Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, but you should always check, considering the different compounds of these cables.

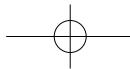
**Tooling** : see pages



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)							Type of dies
					W	Øi	Øe	C1	C2	a	L	
4	7 406 205	4-4 C	100	4	9	2.7	5	6.2	7.4	8.7	25.7	..HCU 4
	7 406 215	4-5 C	100	5	9	2.7	5	6.2	7.4	8.7	25.7	
	7 406 225	4-6 C	100	6	12	2.7	5	6.2	7.4	8.7	25.7	
	7 406 235	4-8 C	100	8	12	2.7	5	6.2	7.4	8.7	25.7	
6	7 406 255	6-4 C	100	4	10	3.3	5.5	6.2	7	10.7	27.7	..HCU 6
	7 406 265	6-5 C	100	5	13	3.3	5.5	8	9	10.7	31.5	
	7 406 275	6-6 C	100	6	13	3.3	5.5	8	9	10.7	31.5	
	7 406 285	6-8 C	100	8	13	3.3	5.5	8	9	10.7	31.5	
10	7 406 306	10-4 CT	100	4	11	4.3	6.8	6.2	6.6	13.7	32.2	..HCU 10
	7 406 316	10-5 CT	100	5	11	4.3	6.8	6.2	6.6	13.7	32.2	
	7 406 326	10-6 CT	100	6	11	4.3	6.8	6.2	6.6	13.7	32.2	
	7 406 336	10-8 CT	100	8	14	4.3	6.8	8.2	10.6	13.7	36.7	
	7 406 346	10-10 CT	100	10	14	4.3	6.8	8.2	10.6	13.7	36.7	
16	7 406 386	16-5 CT	100	5	12	5.3	8	6	7	14.7	34	..HCU 16
	7 406 396	16-6 CT	100	6	12	5.3	8	6	7	14.7	34	
	7 406 406	16-8 CT	100	8	16	5.3	8	8	11	14.7	39	
	7 406 416	16-10 CT	100	10	16	5.3	8	8	11	14.7	39	
	7 406 426	16-12 CT	100	12	17	5.3	8	9.2	13.4	12.5	40.7	
25	7 406 466	25-6 CT	50	6	13	6.6	9.5	7.5	9	14.6	37.6	..HCU 25
	7 406 476	25-8 CT	50	8	16	6.6	9.5	9.5	11	14.6	41.6	
	7 406 486	25-10 CT	50	10	16	6.6	9.5	9.5	11	14.6	41.6	
	7 406 496	25-12 CT	50	12	17.5	6.6	9.5	9.5	11	14.6	41.6	
35	7 406 536	35-6 CT	50	6	15	7.9	11	9.4	10.5	16.5	43.5	..HCU 35
	7 406 546	35-8 CT	50	8	17	7.9	11	9.4	10.5	16.5	43.5	
	7 406 556	35-10 CT	50	10	17	7.9	11	9.4	10.5	16.5	43.5	
	7 406 566	35-12 CT	50	12	18.5	7.9	11	9.4	10.5	16.5	43.5	
50	7 406 606	50-6 CT	50	6	18	9.2	12.5	7.5	8.9	18.5	43.5	..HCU 50
	7 406 616	50-8 CT	50	8	18	9.2	12.5	10.5	13.1	18.5	51	
	7 406 626	50-10 CT	50	10	18	9.2	12.5	10.5	13.1	18.5	51	
	7 406 636	50-12 CT	50	12	19	9.2	12.5	10.5	13.1	18.5	51	
70	7 406 676	70-8 CT	50	8	21	11	15	10.7	13.3	20	55.5	..HCU 70
	7 406 686	70-10 CT	50	10	21	11	15	10.7	13.3	20	55.5	
	7 406 696	70-12 CT	50	12	21	11	15	10.7	13.3	20	55.5	

Other holes on request.





# Industrial electrical connections

Copper tubular lugs from 95 to 630 mm<sup>2</sup>  
NFC 20-130



## General features

- Electrolytic tin-plating process.
- Other plating on request.
- Bell entry.
- Straight entry on request, remove "T" from part number.

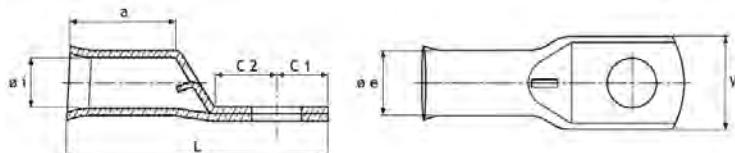
Compliant with **NF C 20-130**

**C** and **CT** series



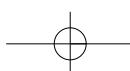
Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

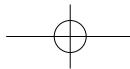
**Tooling** : see pages



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)							Type of dies	
					W	Øi	Øe	C1	C2	a	L		
95	70	7 406 756	95-8 CT	25	8	24	13.1	17	13.7	15.3	27.5	67.5	..HCU 95
		7 406 766	95-10 CT	25	10	24	13.1	17	13.7	15.3	27.5	67.5	
		7 406 776	95-12 CT	25	12	24	13.1	17	13.7	15.3	27.5	67.5	
		7 406 786	95-14 CT	25	14	24	13.1	17	13.7	15.3	27.5	67.5	
		7 406 796	95-16 CT	25	16	24	13.1	17	13.7	15.3	27.5	67.5	
120	95	7 406 846	120-10 CT	25	10	28	14.5	19	13.6	16.4	31.8	75.5	..HCU 120
		7 406 856	120-12 CT	25	12	28	14.5	19	13.6	16.4	31.8	75.5	
		7 406 866	120-14 CT	25	14	28	14.5	19	13.6	16.4	31.8	75.5	
		7 406 876	120-16 CT	25	16	28	14.5	19	13.6	16.4	31.8	75.5	
150	120	7 406 946	150-12 CT	10	12	30	16.2	21	15	15	31.5	74.5	..HCU 150
		7 406 956	150-14 CT	10	14	30	16.2	21	17	17	31.5	78.5	
185	150	7 406 966	150-16 CT	10	16	30	16.2	21	17	17	31.5	78.5	..HCU 185
		7 407 016	185-12 CT	10	12	33	18	23	15	15	35.5	81.5	
		7 407 026	185-14 CT	10	14	33	18	23	17	17	35.5	85.5	
240	185	7 407 036	185-16 CT	10	16	33	18	23	17	17	35.5	85.5	..HCU 240
		7 407 096	240-12 CT	10	12	37	20.6	26	17	17	39.6	89.5	
		7 407 106	240-14 CT	10	14	37	20.6	26	19	19	39.6	93.5	
		7 407 116	240-16 CT	10	16	37	20.6	26	19	19	39.6	93.5	
300	240	7 407 126	240-20 CT	10	20	37	20.6	26	20	20	39.6	95.5	..HCU 300
		7 407 176	300-14 CT	10	14	41	23	28	19	19	41	95.5	
		7 407 186	300-16 CT	10	16	41	23	28	19	19	41	95.5	
		7 407 196	300-18 CT	10	18	41	23	28	20	20	41	97.5	
400	300	7 407 206	300-20 CT	10	20	41	23	28	20	20	41	97.5	..HCU 400
		7 407 246	400-16 CT	10	16	47	26	32	20	25	43	110.5	
		7 407 256	400-18 CT	10	18	47	26	32	20	25	43	110.5	
500	400	7 407 266	400-20 CT	10	20	47	26	32	20	25	43	110.5	..HCU 500
		7 407 306	500-16 CT	10	16	56	29.2	39.5	21	30	53	127	
		7 407 316	500-18 CT	10	18	56	29.2	39.5	21	30	53	127	
		7 407 326	500-20 CT	10	20	56	29.2	39.5	21	30	53	127	
630	500	7 407 336	500-22 CT	10	22	56	29.2	39.5	21	30	53	127	..HCU 630
		7 407 376	630-16 CT	10	16	61	33.5	42	27	34	60	149	
		7 407 396	630-18 CT	10	18	61	33.5	42	27	34	60	149	

Other holes on request.





# Industrial electrical connections



Copper tubular lugs bent at 90°  
from 4 to 70 mm<sup>2</sup>  
NFC 20-130



## General features

- Electrolytic tin-plating process.
- Other plating on request.
- Bell entry from 10 mm<sup>2</sup>.
- Straight entry on request, remove "T" from part number.

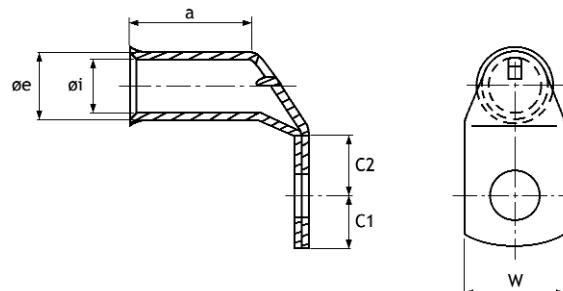
Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

Compliant with **NF C 20-130**

**C90E and CT90E series**

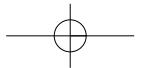


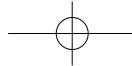
**Tooling** : see pages



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)						Type of dies
					W	Øi	Øe	C1	C2	a	
4	7 406 209	4-4 C 90 E	100	4	9	2.7	5	6.2	6.8	9	..HCU 4
	7 406 219	4-5 C 90 E	100	5	9	2.7	5	6.2	6.8	9	
	7 406 229	4-6 C 90 E	100	6	12	2.7	5	6.2	6.8	9	
	7 406 238	4-8 C 90 E	100	8	12	2.7	5	6.2	6.8	9	
6	7 406 258	6-4 C 90 E	50	4	10	3.3	5.5	6.2	6.5	11	..HCU 6
	7 406 268	6-5 C 90 E	50	5	13	3.3	5.5	8	8.5	11	
	7 406 278	6-6 C 90 E	50	6	13	3.3	5.5	8	8.5	11	
	7 406 288	6-8 C 90 E	50	8	13	3.3	5.5	8	8.5	11	
10	7 406 309	10-4 CT 90 E	50	4	11	4.3	6.8	6.2	6.5	13.7	..HCU 10
	7 406 319	10-5 CT 90 E	50	5	11	4.3	6.8	6.2	6.5	13.7	
	7 406 328	10-6 CT 90 E	50	6	11	4.3	6.8	6.2	6.5	13.7	
	7 406 339	10-8 CT 90 E	50	8	14	4.3	6.8	8.2	10.5	13.7	
	7 406 349	10-10 CT 90 E	50	10	14	4.3	6.8	8.2	10.5	13.7	
16	7 406 388	16-5 CT 90 E	50	5	12	5.3	8	6.2	6.8	14.7	..HCU 16
	7 406 398	16-6 CT 90 E	50	6	12	5.3	8	6.2	6.8	14.7	
	7 406 408	16-8 CT 90 E	50	8	16	5.3	8	8.2	9.8	14.7	
	7 406 418	16-10 CT 90 E	50	10	16	5.3	8	8.2	9.8	14.7	
	7 406 428	16-12 CT 90 E	50	12	17	5.3	8	9.2	12.8	12.5	
25	7 406 468	25-6 CT 90 E	50	6	13	6.6	9.5	7.5	8	14.6	..HCU 25
	7 406 478	25-8 CT 90 E	50	8	16	6.6	9.5	9.5	10	14.6	
	7 406 488	25-10 CT 90 E	50	10	16	6.6	9.5	9.5	10	14.6	
	7 406 498	25-12 CT 90 E	50	12	17.5	6.6	9.5	9.5	10	14.6	
35	7 406 539	35-6 CT 90 E	50	6	15	7.9	11	9.4	11.1	16.5	..HCU 35
	7 406 549	35-8 CT 90 E	50	8	17	7.9	11	9.4	11.1	16.5	
	7 406 558	35-10 CT 90 E	50	10	17	7.9	11	9.4	11.1	16.5	
	7 406 570	35-12 CT 90 E	50	12	18.5	7.9	11	9.4	11.1	16.5	
50	7 406 608	50-6 CT 90 E	50	6	18	9.2	12.5	7.5	10	18.5	..HCU 50
	7 406 618	50-8 CT 90 E	50	8	18	9.2	12.5	10.5	14	18.5	
	7 406 629	50-10 CT 90 E	50	10	18	9.2	12.5	10.5	14	18.5	
	7 406 638	50-12 CT 90 E	50	12	19	9.2	12.5	10.5	14	18.5	
70	7 406 678	70-8 CT 90 E	50	8	21	11	15	10.7	11.3	20.5	..HCU 70
	7 406 688	70-10 CT 90 E	50	10	21	11	15	10.7	11.3	20.5	
	7 406 698	70-12 CT 90 E	50	12	21	11	15	10.7	11.3	20.5	

Other holes on request.





# Industrial electrical connections

Copper tubular lugs bent at 90°  
from 95 to 630 mm<sup>2</sup>  
NFC 20-130



## General features

- Electrolytic tin-plating process.
- Other plating on request.
- Bell entry from 10 mm<sup>2</sup>.
- Straight entry on request, remove "T" from part number.

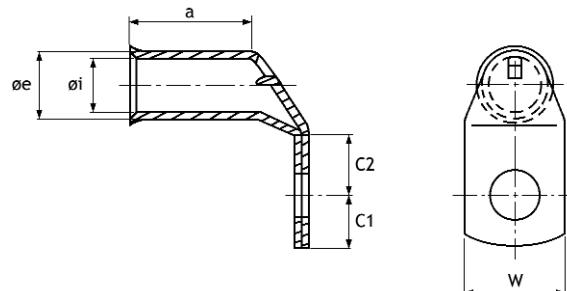
Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

Compliant with **NF C 20-130**

**C90E and CT90E series**

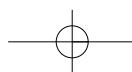


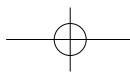
**Tooling** : see pages



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)						Type of dies	
					W	Øi	Øe	C1	C2	a		
95	70	7 406 754	95-8 CT 90 E	25	8	24	13.1	17	13.7	13.3	27.5	..HCU 95
		7 406 770	95-10 CT 90 E	25	10	24	13.1	17	13.7	13.3	27.5	
		7 406 778	95-12 CT 90 E	25	12	24	13.1	17	13.7	13.3	27.5	
		7 406 788	95-14 CT 90 E	25	14	24	13.1	17	13.7	13.3	27.5	
		7 406 799	95-16 CT 90 E	25	16	24	13.1	17	13.7	13.3	27.5	
120	95	7 406 849	120-10 CT 90 E	25	10	28	14.5	19	13.6	15.4	31.8	..HCU120
		7 406 858	120-12 CT 90 E	25	12	28	14.5	19	13.6	15.4	31.8	
		7 406 868	120-14 CT 90 E	25	14	28	14.5	19	13.6	15.4	31.8	
		7 406 879	120-16 CT 90 E	25	16	28	14.5	19	13.6	15.4	31.8	
150	120	7 406 949	150-12 CT 90 E	10	12	30	16.2	21	17	14	31.5	..HCU 150
		7 406 957	150-14 CT 90 E	10	14	30	16.2	21	17	14	31.5	
		7 406 969	150-16 CT 90 E	10	16	30	16.2	21	17	14	31.5	
185	150	7 407 018	185-12 CT 90 E	10	12	33	18	23	17	16	35.5	..HCU 185
		7 407 027	185-14 CT 90 E	10	14	33	18	23	17	16	35.5	
		7 407 038	185-16 CT 90 E	10	16	33	18	23	17	16	35.5	
240	185	7 407 098	240-12 CT 90 E	10	12	37	20.6	26	19	18	40	..HCU 240
		7 407 108	240-14 CT 90 E	10	14	37	20.6	26	19	18	40	
		7 407 118	240-16 CT 90 E	10	16	37	20.6	26	19	18	40	
		7 407 145	240-20 CT 90 E	10	20	37	20.6	26	19	18	40	
300	240	7 407 177	300-14 CT 90 E	10	14	41	23	28	19	18	41	..HCU 300
		7 407 188	300-16 CT 90 E	10	16	41	23	28	19	18	41	
		7 407 197	300-18 CT 90 E	10	18	41	23	28	19	18	41	
		7 407 210	300-20 CT 90 E	10	20	41	23	28	19	18	41	
400	300	7 407 249	400-16 CT 90 E	10	16	47	26	32	20	23	43	..HCU 400
		7 407 256	400-18 CT 90 E	10	18	47	26	32	20	23	43	
		7 407 267	400-20 CT 90 E	10	20	47	26	32	20	23	43	
500	400	7 407 308	500-16 CT 90 E	10	16	56	29.2	39.5	21	27	53	..HCU 500
		7 407 318	500-18 CT 90 E	10	18	56	29.2	39.5	21	27	53	
		7 407 328	500-20 CT 90 E	10	20	56	29.2	39.5	21	27	53	
		7 407 329	500-22 CT 90 E	10	22	56	29.2	39.5	21	27	53	
630	500	7 407 378	630-16 CT 90 E	10	16	61	33.5	42	27	30	60	..HCU 630
		7 407 398	630-18 CT 90 E	10	18	61	33.5	42	27	30	60	

Other holes on request.





# Industrial electrical connections

Copper parallel and butt connectors  
NFC 20-130



## General features

Butt connectors from 1.5 to 630 mm<sup>2</sup>.

- Electrolytic tinning process.
  - Bell entry from 6 mm<sup>2</sup> and inspection hole with cable stopper.
  - Straight entry series on request, remove "T" from part number.
- Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

Parallel connectors from 1.5 to 240 mm<sup>2</sup>.

- Tin-plated copper.
- Funnel entry.

Compliant with **NF C 20-130**

**MJ** series

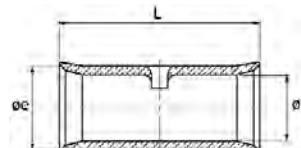


**MP** series



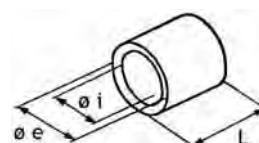
**Tooling** : see pages

## Butt connectors from 1.5 to 630 mm<sup>2</sup>

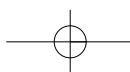


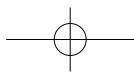
Conductor size (mm <sup>2</sup> ) Rigid Flexible	Item code	Part number	Packing	Dimensions (mm)			Type of dies
				Øi	Øe	L	
1.5	7 431 001	MJ-1,5	100	1.8	3.3	14.5	
2.5	7 431 112	MJ-2,5	100	2.4	4	14.5	
4	7 431 225	MJ-4 C	100	2.7	5	19	..HCU 4
6	7 431 236	MJ-6 CT	100	3.3	5.5	24	..HCU 6
10	7 431 246	MJ-10 CT	100	4.3	6.8	29	..HCU 10
16	7 431 256	MJ-16 CT	100	5.3	8	34	..HCU 16
25	7 431 266	MJ-25 CT	50	6.6	9.5	34	..HCU 25
35	7 431 276	MJ-35 CT	50	7.9	11	34	..HCU 35
50	7 431 286	MJ-50 CT	50	9.2	12.5	44	..HCU 50
70	7 431 306	MJ-70 CT	50	11	15	49	..HCU 70
95	7 431 316	MJ-95 CT	25	13.1	17	55	..HCU 95
120	7 431 326	MJ-120 CT	25	14.5	19	59	..HCU 120
150	7 431 336	MJ-150 CT	10	16.2	21	65	..HCU 150
185	7 431 346	MJ-185 CT	10	18	23	74	..HCU 185
240	7 431 354	MJ-240 CT	10	20.6	26	79	..HCU 240
300	7 431 366	MJ-300 CT	10	23	28	89	..HCU 300
400	7 431 376	MJ-400 CT	10	26	32	99	..HCU 400
500	7 431 384	MJ-500 CT	10	29.2	39.5	119	..HCU 500
630	7 431 387	MJ-630 CT	10	33.5	42	120	..HCU 630

## Parallel connectors from 1.5 to 240 mm<sup>2</sup>



Total conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Dimensions (mm)			Type of dies
				Øi	Øe	L	
1.5	7 430 501	MP-1,5	100	1.6	3.2	7	
2.5	7 430 511	MP-2,5	100	2.3	3.9	7	
4 - 6	7 430 531	MP-6	100	3.6	5.6	7	..HCU 6
10	7 430 541	MP-10	100	4.5	6.7	10	..HCU 10
16	7 430 551	MP-16	100	5.8	8.2	11	..HCU 16
25	7 430 561	MP-25	50	7.5	10.5	14	..HCU 35
35	7 430 571	MP-35	50	9	12.2	16	..HCU 50
50	7 430 581	MP-50	50	11	14.6	16	..HCU 70
70	7 430 601	MP-70	50	13.1	17	19	..HCU 95
95	7 430 611	MP-95	25	14.5	19	20	..HCU 120
120	7 430 621	MP-120	25	16.2	21	20	..HCU 150
150	7 430 631	MP-150	25	18	23	20	..HCU 185
185	7 430 641	MP-185	10	20.6	26	28	..HCU 240
240	7 430 651	MP-240	10	23	28	31	..HCU 300





# Industrial electrical connections

Copper tubular lugs  
with narrow palm  
NFC 20-130



## General features

This type of lug with narrow palm allows fast and direct connection to electrical equipment with compact space.

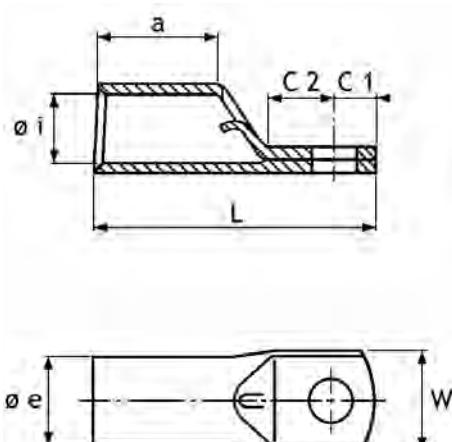
- Material: tin-plated copper.
- Funnel entry.
- In compliance with NFC 20-130.
- Crimping tools identical to those for standard copper tubular lugs "C" or "CT" type.

Compliant with **NF C 20-130**

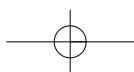
**PE series**

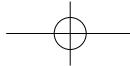


**Tooling** : see pages



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)							Type of dies
					W (max)	Øi	Øe	C1	C2	a	L	
95	7 404 022	95-8 PE	25	8	21	13.1	17	10	15	28	64	..HCU 95
95	7 404 021	95-10 PE	25	10	21	13.1	17	10	15	28	64	..HCU 95
120	7 404 031	120-10 PE	25	10	24.5	14.5	19	10	15	26	64	..HCU 120
150	7 404 041	150-10 PE	10	10	24.5	16.2	21	10	15	30	67	..HCU 150
185	7 404 051	185-10 PE	10	10	24.5	18	23	10	15	39	77	..HCU 185
240	7 404 061	240-10 PE	10	10	31.5	20.6	26	10	15	39	79	..HCU 240
300	7 404 071	300-10 PE	10	10	31.5	23	28	10	15	41	83	..HCU 300





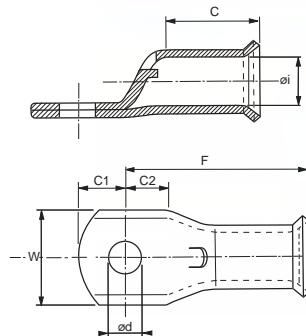
# Industrial electrical connections



Belled copper tubular lugs  
for flexible cables

## General features

- Electrolytic copper
- Electrolytic tin plating process
- Funnel entry



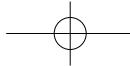
According to  
**IEC-61238**

**CTCUF series**



Tooling : see pages ???

Conductor size (mm <sup>2</sup> )	Item code	Part number	Stud size	Dimensions (mm)						
				Ød	Øi	C	W	C1	C2	F
6	7370105	CTCU6F4	M4	4.3	4.35	11.0	10.8	8.0	8.0	25.0
	7370110	CTCU6F5	M5	5.3			"	"	"	"
	7370115	CTCU6F6	M6	6.4			"	"	"	"
	7370120	CTCU6F8	M8	8.4			14.0	"	10.5	27.5
	7370125	CTCU6F10	M10	10.5			"	10.0	"	"
	7370130	CTCU6F12	M12	12.8			17.0	"	"	"
10	7370135	CTCU10F5	M5	5.3	5.50	13.0	12.0	8.0	8.0	28.5
	7370140	CTCU10F6	M6	6.4			"	"	"	"
	7370145	CTCU10F8	M8	8.4			16.0	10.0	13.0	33.5
	7370150	CTCU10F10	M10	10.5			"	"	"	"
	7370155	CTCU10F12	M12	12.8			19.0	13.0	14.0	34.5
16	7370160	CTCU16F5	M5	5.3	6.75	14.0	14.0	14.0	8.0	8.0
	7370165	CTCU16F6	M6	6.4			"	"	"	"
	7370170	CTCU16F8	M8	8.4			16.0	10.0	13.0	35.0
	7370175	CTCU16F10	M10	10.5			"	"	"	"
	7370180	CTCU16F12	M12	12.8			19.0	13.0	14.0	36.0
25	7370185	CTCU25F6	M6	6.4	8.05	14.0	16.0	8.0	8.5	32.5
	7370190	CTCU25F8	M8	8.4			17.0	"	"	"
	7370195	CTCU25F10	M10	10.5			"	10.0	13.0	36.0
	7370200	CTCU25F12	M12	12.8			19.0	13.0	14.0	38.0
35	7370205	CTCU35F6	M6	6.4	9.35	18.5	18.5	9.0	8.5	36.0
	7370210	CTCU35F8	M8	8.4			"	"	"	"
	7370215	CTCU35F10	M10	10.5			"	10.0	13.0	40.5
	7370220	CTCU35F12	M12	12.8			19.5	12.0	"	"
50	7370225	CTCU50F8	M8	8.4	11.0	19.0	11.0	11.0	11.5	41.5
	7370230	CTCU50F10	M10	10.5			"	"	"	"
	7370235	CTCU50F12	M12	12.8			14.0	13.0	13.0	43.0
	7370240	CTCU50F16	M16	16.5			16.0	16.0	16.0	46.0
70	7370245	CTCU70F8	M8	8.4	13.25	22.0	24.4	11.0	10.5	43.5
	7370250	CTCU70F10	M10	10.5				"	"	"
	7370255	CTCU70F12	M12	12.8				14.0	13.0	46.0
	7370260	CTCU70F16	M16	16.5				16.0	16.0	49.0
95	7370265	CTCU95F8	M8	8.4	14.65	28.0	27.0	14.0	13.0	53.0
	7370270	CTCU95F10	M10	10.5				"	"	"
	7370275	CTCU95F12	M12	12.8				"	"	"
	7370280	CTCU95F14	M14	14.8				"	16.0	56.0
	7370285	CTCU95F16	M16	16.5				16.0	"	"
120	7370290	CTCU120F10	M10	10.5	16.2	32.0	30.0	15.0	13.0	59.0
	7370295	CTCU120F12	M12	12.8				"	"	"
	7370300	CTCU120F14	M14	14.8				"	16.0	62.0
	7370305	CTCU120F16	M16	16.5				"	"	"
150	7370310	CTCU150F10	M10	10.5	18.0	34.0	33.0	15.0	13.0	63.0
	7370315	CTCU150F12	M12	12.8				"	"	"
	7370320	CTCU150F14	M14	14.8				"	16.0	66.0
	7370325	CTCU150F16	M16	16.5				"	"	"
185	7370330	CTCU185F12	M12	12.8	20.6	39.0	37.0	19.0	14.5	70.5
	7370335	CTCU185F16	M16	16.5				"	19.0	75.0
	7370340	CTCU185F20	M20	21.0				"	"	"
240	7370345	CTCU240F12	M12	12.8	23.1	44.0	41.0	20.0	14.5	77.5
	7370350	CTCU240F16	M16	16.5				"	19.0	82.0
	7370355	CTCU240F20	M20	21.0				"	"	"



# Industrial electrical connections

Copper tubular lugs from 6 to 400 mm<sup>2</sup>



Compliant with  
**VDE-0220**

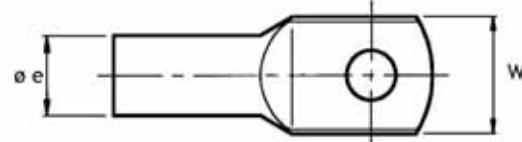
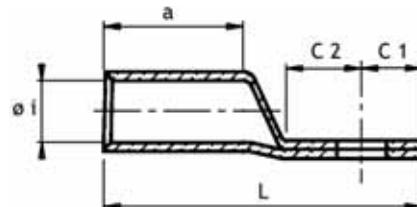
**YAV-DM / DE series**



## General features

- Electrolytic copper
- Electrolytic plating process
- Funnel entry
- Performance
- Heat resistant up to +125 °C

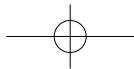
• : MTR PART NUMBERS IN BLUE  
• : SBI PART NUMBERS IN ORANGE



Tooling : see pages ???

Conductor size (mm <sup>2</sup> )	Item code	Part numbers	Stud size	Dimensions (mm)							Type of die
				W	Øi	Øe	C1	C2	a	L	
6	7360200	YAV06DM4KS DE6-4SV	4	10	3.5	6.5	6.5	6.5	9	26	...R6 / 6DGE1T
	7360215	YAV06DM5KS DE6-5SV	5	10	3.5	6.5	6.5	6.5	9	26	
	7360230	YAV06DM6KS DE6-6SV	6	12	3.5	6.5	6.5	6.5	9	26	
	7360245	YAV06DM8KS DE6-8SV	8	15	3.5	6.5	9.5	9.5	9	32	
	7360260	YAV06DM10KS DE6-10SV	10	17	3.5	6.5	11.5	11.5	9	36	
	7360275	YAV06DM12KS DE6-12SV	12	18,5	3.5	6.5	13	13	9	39	
10	7360315	YAV10DM5KS DE10-5SV	5	12	4.5	7	6.5	6.5	10	28	...R10 / 6DGE1T
	7360330	YAV10DM6KS DE10-6SV	6	12	4.5	7	6.5	6.5	10	28	
	7360345	YAV10DM8KS DE10-8SV	8	15	4.5	7	9.5	9.5	10	34	
	7360360	YAV10DM10KS DE10-10SV	10	17	4.5	7	11.5	11.5	10	38	
	7360375	YAV10DM12KS DE10-12SV	12	19	4.5	7	13	13	10	41	
16	7360415	YAV16DM5KS DE16-5SV	5	12	5.5	8.5	6.5	6.5	13	29	...R16 / 6DGE1T
	7360430	YAV16DM6KS DE16-6SV	6	12	5.5	8.5	6.5	6.5	13	31	
	7360445	YAV16DM8KS DE16-8SV	8	15	5.5	8.5	9.5	9.5	13	37	
	7360460	YAV16DM10KS DE16-10SV	10	17	5.5	8.5	11.5	11.5	13	41	
	7360575	YAV16DM12KS DE16-12SV	12	19	5.5	8.5	13	13	13	44	
25	7360510	YAV25DM5KS DE25-5SV	5	14	7	10	7	7	15	34.5	...R25 / 6DGE1T
	7360525	YAV25DM6KS DE25-6SV	6	14	7	10	7	7	15	34.5	
	7360540	YAV25DM8KS DE25-8SV	8	16	7	10	9.5	9.5	15	39.5	
	7360555	YAV25DM10KS DE25-10SV	10	18	7	10	11.5	11.5	15	43.5	
	7360570	YAV25DM12KS DE25-12SV	12	19	7	10	13	13	15	44.5	
	7360585	YAV25DM14KS DE25-14SV	14	21	7	10	14	14	15	48	





# Industrial electrical connections

Copper tubular lugs from 6 to 400 mm<sup>2</sup>



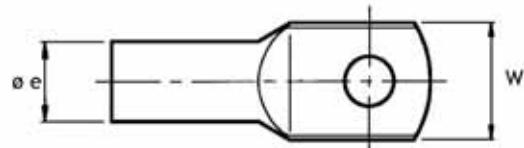
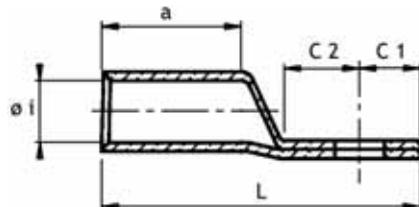
Compliant with  
**VDE-0220**

**YAV-DM / DE series**

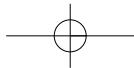


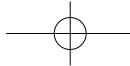
Tooling : see pages ???

- MTR PART NUMBERS IN BLUE
- SBI PART NUMBERS IN ORANGE



Conductor size (mm <sup>2</sup> )	Item code	Part numbers	Stud size	Dimensions (mm)							Type of die
				W	Øi	Øe	C1	C2	a	L	
35	7360610	YAV35DM6KS DE35-6SV	6	17	8.5	12	7	7	17	37.5	...R35 / 6DGE1T
	7360625	YAV35DM8KS DE35-8SV	8	17	8.5	12	9.5	9.5	17	42.5	
	7360640	YAV35DM10KS DE35-10SV	10	19	8.5	12	11.5	11.5	17	46.5	
	7360655	YAV35DM12KS DE35-12SV	12	21	8.5	12	13	13	17	49.5	
	7360670	YAV35DM14KS DE35-14SV	14	21	8.5	12	14	14	17	51.5	
	7360685	YAV35DM16KS DE35-16SV	16	25	8.5	12	15.5	15.5	17	54.5	
50	7360710	YAV050DM6KS DE50-6SV	6	20	10	14	9.5	9.5	19	46	...R50 / 6DGE1T
	7360725	YAV050DM8KS DE50-8SV	8	20	10	14	9.5	9.5	19	46	
	7360740	YAV050DM10KS DE50-10SV	10	20	10	14	11.5	11.5	19	50	
	7360755	YAV050DM12KS DE50-12SV	12	23	10	14	13	13	19	53	
	7360770	YAV050DM14KS DE50-6SV	14	23	10	14	14	14	19	55	
	7360785	YAV050DM16KS DE50-16SV	16	27	10	14	15.5	15.5	19	58	
	7360800	YAV050DM20KS DE50-200SV	20	30	10	14	19	19	19	65	
70	7360850	YAV070DM6KS DE70-6SV	6	24	12	16.5	10	10	21	50	...R70 / 6DGE1T
	7360865	YAV070DM8KS DE70-8SV	8	24	12	16.5	10	10	21	50	
	7360880	YAV070DM10KS DE70-10SV	10	24	12	16.5	11.5	11.5	21	53	
	7360895	YAV070DM12KS DE70-12SV	12	24	12	16.5	13	13	21	56	
	7360910	YAV070DM14KS DE70-14SV	14	24	12	16.5	14	14	21	58	
	7360950	YAV070DM16KS DE70-16SV	16	28	12	16.5	15.5	15.5	21	61	
	7360965	YAV070DM20KS DE70-20SV	20	30	12	16.5	19	19	21	68	





# Industrial electrical connections

Copper tubular lugs from 6 to 400 mm<sup>2</sup>



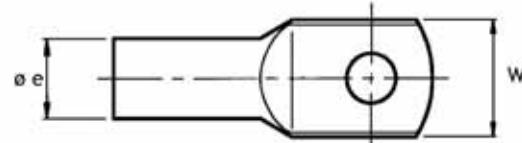
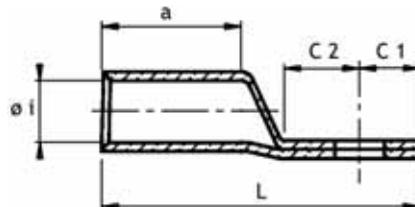
Compliant with  
**VDE-0220**

**YAV-DM / DE series**

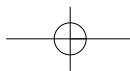


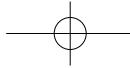
Tooling : see pages ???

- MTR PART NUMBERS IN BLUE
- SBI PART NUMBERS IN ORANGE



Conductor size (mm <sup>2</sup> )	Item code	Part numbers	Stud size	Dimensions (mm)							Type of die
				W	Øi	Øe	C1	C2	a	L	
95	7361000	YAV95DM8KS DE95-8SV	8	26	13.5	18	11.5	11.5	25	59	...R95 / 6DGE1T
	7361015	YAV95DM10KS DE95-10SV	10	26	13.5	18	11.5	11.5	25	59	
	7361030	YAV95DM12KS DE95-12SV	12	26	13.5	18	13	13	25	62	
	7361045	YAV95DM14KS DE95-14SV	14	26	13.5	18	14	14	25	64	
	7361060	YAV95DM16KS DE95-16SV	16	28	13.5	18	15.5	15.5	25	67	
	7361075	YAV95DM20KS DE95-20SV	20	36	13.5	18	21	21	25	78	
120	7361105	YAV120DM8KS DE120-8SV	8	28	15	19.5	13	13	26	63	...R120 / 6DGE1T
	7361120	YAV120DM10KS DE120-10SV	10	28	15	19.5	13	13	26	63	
	7361135	YAV120DM12KS DE120-12SV	12	28	15	19.5	13	13	26	63	
	7361150	YAV120DM14KS DE120-14SV	14	28	15	19.5	14	14	26	65	
	7361165	YAV120DM16KS DE120-16SV	16	30	15	19.5	15.5	15.5	26	68	
	7361180	YAV120DM20KS DE120-20SV	20	36	15	19.5	21	21	26	79	
150	7361205	YAV150DM8KS DE150-8SV	8	31	16.5	21	13	13	30	68	...R150 / 6DGE1T
	7361220	YAV150DM10KS DE150-10SV	10	31	16.5	21	13	13	30	68	
	7361235	YAV150DM12KS DE150-12SV	12	31	16.5	21	14	14	30	70	
	7361250	YAV150DM14KS DE150-14SV	14	31	16.5	21	14	14	30	70	
	7361265	YAV150DM16KS DE150-16SV	16	31	16.5	21	15.5	15.5	30	73	
	7361280	YAV150DM20KS DE150-20SV	20	36	16.5	20.5	21	21	30	84	





# Industrial electrical connections

Copper tubular lugs from 6 to 400 mm<sup>2</sup>



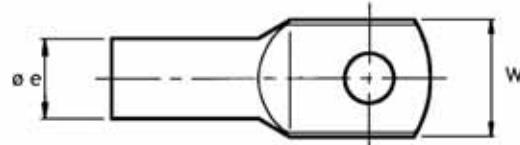
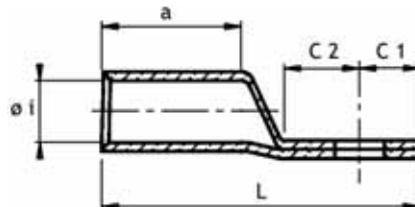
Compliant with  
**VDE-0220**

**YAV-DM / DE series**

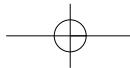


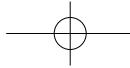
Tooling : see pages ???

- MTR PART NUMBERS IN BLUE
- SBI PART NUMBERS IN ORANGE



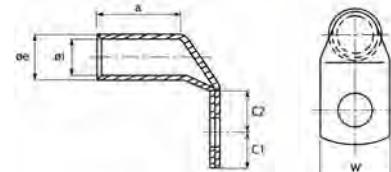
Conductor size (mm <sup>2</sup> )	Item code	Part numbers	Stud size	Dimensions (mm)							Type of die
				W	Øi	Øe	C1	C2	a	L	
185	7361315	YAV185DM10KS DE185-10SV	10	35	19	24	17	17	30	80	...R185 / 6DGE1T
	7361330	YAV185DM12KS DE185-12SV	12	35	19	24	17	17	30	80	
	7361345	YAV185DM14KS DE185-14SV	14	35	19	24	17	17	30	80	
	7361360	YAV185DM16KS DE185-16SV	16	35	19	24	17	17	30	80	
	7361380	YAV185DM20KS DE185-20SV	20	39	19	24	21	21	30	88	
240	7361415	YAV240DM10KS DE240-10SV	10	39	21	26	17	17	35	87	...R240 / 6DGE1T
	7361430	YAV240DM12KS DE240-12SV	12	39	21	26	17	17	35	87	
	7361445	YAV240DM14KS DE240-14SV	14	39	21	26	17	17	35	87	
	7361460	YAV240DM16KS DE240-16SV	16	39	21	26	17	17	35	87	
	7361480	YAV240DM20KS DE240-20SV	20	39	21	26	21	21	35	95	
300	7361530	YAV300DM12KS DE300-12SV	12	43	23.5	29.5	17	17	44	97	...R300 / 6DGE1T
	7361545	YAV300DM14KS DE300-14SV	14	43	23.5	29.5	17	17	44	97	
	7361560	YAV300DM16KS DE300-16SV	16	43	23.5	29.5	17	17	44	97	
	7361580	YAV300DM20KS DE300-20SV	20	43	23.5	29.5	21	21	44	107	
400	7361630	YAV400DM12KS DE400-12SV	12	49	27	34	23	23	44	112	...R400 / 6DGE1T
	7361645	YAV400DM14KS DE400-14SV	14	49	27	34	23	23	44	112	
	7361660	YAV400DM16KS DE400-16SV	16	49	27	34	23	23	44	112	
	7361680	YAV400DM20KS DE400-20SV	20	49	27	34	23	23	44	112	





# Industrial electrical connections

Copper tubular lugs from 6 to 120 mm<sup>2</sup> bent at 90°



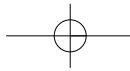
Compliant with  
VDE-0220

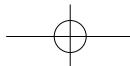


**YAV-DM / DE series**

Tooling : see pages ???

Conductor size (mm <sup>2</sup> )	Item code	Part numbers	Stud size	Dimensions (mm)						Type of die
				Øi	Øe	W	C1	C2	a	
6	7360225	YAV06DM590KS DE6-5SV90E	M5	3.5	6.5	10.0	7.5	7.5	10.0	...R6
	7360240	YAV06DM690KS DE6-6SV90E	M6			12.0				
	7360255	YAV06DM890KS DE6-8SV90E	M8			15.0	10.0	10.0		
	7360270	YAV06DM1090KS DE6-10SV90E	M10			17.0	12.0	12.0		
	7360285	YAV06DM1290KS DE6-12SV90E	M12			19.0	13.0	13.0		
10	7360325	YAV010DM590KS DE10-5SV90E	M5	4.5	7.0	12.0	6.5	7.5	10.0	...R10
	7360340	YAV010DM690KS DE10-5SV90E	M6			15.0	10.0	10.0		
	7360355	YAV010DM890KS DE10-8SV90E	M8			17.0	12.0	12.0		
	7360370	YAV010DM1090KS DE10-10SV90E	M10			19.0	13.0	13.0		
	7360385	YAV010DM1290KS DE10-12SV90E	M12			12.0	6.5	7.5		
16	7360425	YAV016DM590KS DE16-5SV90E	M5	5.5	8.5	15.0	8.5	9.5	13.0	...R16
	7360440	YAV016DM690KS DE16-6SV90E	M6			17.0	10.5	11.5		
	7360455	YAV016DM890KS DE16-8SV90E	M8			19.0	12.0	13.0		
	7360470	YAV016DM1090KS DE16-10SV90E	M10			12.0	5.5	6.5		
	7360485	YAV016DM1290KS DE16-12SV90E	M12			14.0	7.5	7.5		
25	7360520	YAV025DM590KS DE25-5SV90E	M5	7.0	10.0	16.0	10.0	10.0	15.0	...R25
	7360535	YAV025DM690KS DE25-6SV90E	M6			18.0	12.0	12.0		
	7360550	YAV025DM890KS DE25-8SV90E	M8			19.0	13.0	13.0		
	7360565	YAV025DM1090KS DE25-10SV90E	M10			21.0	14.5	14.5		
	7360580	YAV025DM1290KS DE25-12SV90E	M12			17.0	12.0	13.0		
	7360590	YAV025DM1590KS DE25-14SV90E	M14			14.0	7.5	7.5		
35	7360612	YAV035DM690KS DE35-6SV90E	M6	8.5	12.0	17.0	10.0	10.0	17.0	...R35
	7360635	YAV035DM890KS DE35-8SV90E	M8			19.0	12.0	12.0		
	7360650	YAV035DM1090KS DE35-10SV90E	M10			21.0	13.0	13.0		
	7360667	YAV035DM1290KS DE35-12SV90E	M12			14.0	7.5	7.5		
	7360680	YAV035DM1490KS DE35-14SV90E	M14			16.0	14.5	14.5		
	7360695	YAV035DM1690KS DE35-16SV90E	M16			18.0	16.0	16.0		





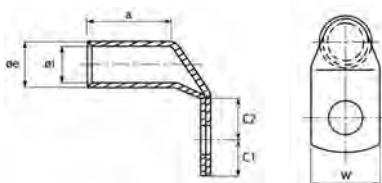
# Industrial electrical connections

Copper tubular lugs from 6 to 120 mm<sup>2</sup> bent at 90°



## General features

- Electrolytic copper
- Electrolytic plating process
- Funnel entry
- Performance
- Heat resistant up to +125 °C



According to  
**IEC-61238**

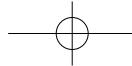
**YAV-DM / DE series**



Tooling : see pages ???

Conductor size (mm <sup>2</sup> )	Item code	Part numbers	Stud size	Dimensions (mm)						Type of die
				Øi	Øe	W	C1	C2	a	
50	7360720	YAV050DM690KS DE50-6SV90E	M6	10.0	14.0	20.0	10.0	10.0	19.0	...R50
	7360735	YAV050DM890KS DE50-8SV90E	M8				12.0	12.0		
	7360750	YAV050DM1090KS DE50-10SV90E	M10				13.0	13.0		
	7360765	YAV050DM1290KS DE50-12SV90E	M12			23.0	14.5	14.5		
	7360780	YAV050DM1490KS DE50-14SV90E	M14				28.0	16.0	16.0	
	7360795	YAV050DM1690KS DE50-16SV90E	M16				30.0	19.0	19.0	
	7360810	YAV050DM2090KS DE50-20SV90E	M20							
	7360860	YAV070DM690KS DE70-6SV90E	M6	12.0	16.5	24.0	10.0	10.0	21.0	...R70
70	7360875	YAV070DM890KS DE70-8SV90E	M8				12.0	12.0		
	7360890	YAV070DM1090KS DE70-10SV90E	M10				13.0	13.0		
	7360905	YAV070DM1290KS DE70-12SV90E	M12				14.5	14.5		
	7360920	YAV070DM1490KS DE70-14SV90E	M14				28.0	16.0	16.0	
	7360960	YAV070DM1690KS DE70-16SV90E	M16				30.0	19.0	19.0	
	7360975	YAV070DM2090KS DE70-20SV90E	M20							
	7361010	YAV095DM890KS DE95-8SV90E	M8	13.5	18.0	26.0	12.0	14.0	25.0	...R95
95	7361025	YAV095DM1090KS DE95-10SV90E	M10				13.0	17.0		
	7361040	YAV095DM1290KS DE95-12SV90E	M12				14.5	18.0		
	7361055	YAV095DM1490KS DE95-14SV90E	M14				28.0	20.0		
	7361070	YAV095DM1690KS DE95-16SV90E	M16				16.0	22.0		
	7361085	YAV095DM2090KS DE95-20SV90E	M20							
	7361115	YAV120DM890KS DE120-8SV90E	M8	15.0	19.5	28.0	14.0	16.0	26.0	...R120
120	7361130	YAV120DM1090KS DE120-10SV90E	M10				15.0	17.0		
	7361145	YAV120DM1290KS DE120-12SV90E	M12				16.0	18.0		
	7361160	YAV120DM1490KS DE120-14SV90E	M14				18.0	20.0		
	7361175	YAV120DM1690KS DE120-16SV90E	M16				20.0	22.0		
	7361190	YAV120DM2090KS DE120-20SV90E	M20				22.0	24.0		





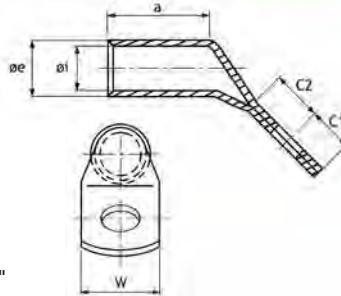
# Industrial electrical connections

Copper tubular lugs from 6 to 120 mm<sup>2</sup> bent at 45°



## General features

- Electrolytic copper
- Electrolytic tin plating process
- Funnel entry
- For lugs with sight hole = omit "KS"



**YAV-DM** series

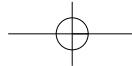


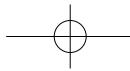
Compliant with  
**VDE 0220**



Tooling : see pages ???

Conductor size (mm <sup>2</sup> )	Item code	Part numbers	Stud size	Dimensions (mm)						Type of die
				Øi	Øe	W	C1	C2	a	
6	7360227	YAV06DM545KS DE6-5SV45E	M5	3.5	6.5	10.0	7.5	7.5	9.0	...R6
	7360242	YAV06DM645KS DE6-6SV45E	M6			12.0				
	7360257	YAV06DM845KS DE6-8SV45E	M8			15.0	10.0	10.0		
	7360272	YAV06DM1045KS DE6-10SV45E	M10			17.0	12.0	12.0		
	7360287	YAV06DM1245KS DE6-12SV45E	M12			19.0	13.0	13.0		
10	7360327	YAV010DM545KS DE10-5SV45E	M5	4.5	7.0	12.0	6.5	7.5	10.0	...R10
	7360342	YAV010DM645KS DE10-6SV45E	M6			15.0	10.0	10.0		
	7360357	YAV010DM845KS DE10-8SV45E	M8			17.0	12.0	12.0		
	7360372	YAV010DM1045KS DE10-10SV45E	M10			19.0	13.0	13.0		
	7360387	YAV010DM1245KS DE10-12SV45E	M12			12.0	6.5	7.5		
16	7360427	YAV016DM545KS DE16-5SV45E	M5	5.5	8.5	15.0	8.5	9.5	13.0	...R16
	7360442	YAV016DM645KS DE16-6SV45E	M6			17.0	10.5	11.5		
	7360457	YAV016DM845KS DE16-8SV45E	M8			19.0	12.0	13.0		
	7360468	YAV016DM1045KS DE16-10SV45E	M10			12.0	5.5	6.5		
	7360487	YAV016DM1245KS DE16-12SV45E	M12			16.0	10.0	10.0		
25	7360522	YAV025DM545KS DE25-5SV45E	M5	7.0	10.0	14.0	7.5	7.5	15.0	...R25
	7360533	YAV025DM645KS DE25-6SV45E	M6			16.0	10.0	10.0		
	7360552	YAV025DM845KS DE25-8SV45E	M8			18.0	12.0	12.0		
	7360567	YAV025DM1045KS DE25-10SV45E	M10			19.0	13.0	13.0		
	7360582	YAV025DM1245KS DE25-12SV45E	M12			21.0	14.5	14.5		
	7360592	YAV025DM1445KS DE25-14SV45E	M14			12.0	5.5	6.5		
35	7360622	YAV035DM645KS DE35-6SV45E	M6	8.5	12.0	17.0	10.0	10.0	17.0	...R35
	7360637	YAV035DM845KS DE35-8SV45E	M8			19.0	12.0	12.0		
	7360652	YAV035DM1045KS DE35-10SV45E	M10			21.0	13.0	13.0		
	7360669	YAV035DM1245KS DE35-12SV45E	M12			14.0	7.5	7.5		
	7360682	YAV035DM1445KS DE35-14SV45E	M14			16.0	10.0	10.0		
	7360697	YAV035DM1645KS DE35-16SV45E	M16			18.0	12.0	12.0		
						20.0	14.5	14.5		





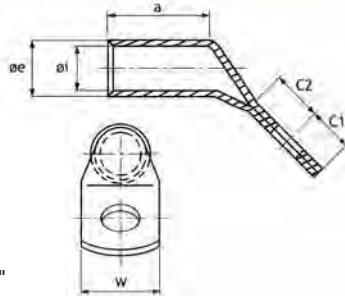
# Industrial electrical connections



Copper tubular lugs from 6 to 120 mm<sup>2</sup> bent at 45°

## General features

- Electrolytic copper
- Electrolytic tin plating process
- Funnel entry
- For lugs with sight hole = omit "KS"



**YAV-DM series**

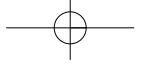


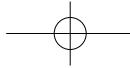
Compliant with  
**VDE 0220**



Tooling : see pages ???

Conductor size (mm <sup>2</sup> )	Item code	Part numbers	Stud size	Dimensions (mm)						Type of die	
				Øi	Øe	W	C1	C2	a		
50	7360722	YAV050DM645KS DE50-6SV45E	M6	10.0	14.0	20.0	10.0	10.0	19.0	...R50	
	7360737	YAV050DM845KS DE50-8SV45E	M8				12.0	12.0			
	7360752	YAV050DM1045KS DE50-10SV45E	M10				13.0	13.0			
	7360767	YAV050DM1245KS DE50-12SV45E	M12			23.0	14.5	14.5			
	7360782	YAV050DM1445KS DE50-14SV45E	M14				28.0	16.0	16.0		
	7360797	YAV050DM1645KS DE50-16SV45E	M16				30.0	19.0	19.0		
	7360812	YAV050DM2045KS DE50-20SV45E	M20								
70	7360862	YAV070DM645KS DE70-6SV45E	M6	12.0	16.5	24.0	10.0	10.0	21.0	...R70	
	7360877	YAV070DM845KS DE70-8SV45E	M8				12.0	12.0			
	7360892	YAV070DM1045KS DE70-10SV45E	M10				13.0	13.0			
	7360907	YAV070DM1245KS DE70-12SV45E	M12				14.5	14.5			
	7360922	YAV070DM1445KS DE70-14SV45E	M14				28.0	16.0	16.0		
	7360902	YAV070DM1645KS DE70-16SV45E	M16				30.0	19.0	19.0		
	7360977	YAV070DM2045KS DE70-20SV45E	M20								
95	7361012	YAV095DM845KS DE95-8SV45E	M8	13.5	18.0	26.0	12.0	14.0	25.0	...R95	
	7361027	YAV095DM1045KS DE95-10SV45E	M10				13.0	18.0			
	7361042	YAV095DM1245KS DE95-12SV45E	M12				14.5	20.0			
	7361057	YAV095DM1445KS DE95-14SV45E	M14				28.0	16.0	22.0		
	7361072	YAV095DM1645KS DE95-16SV45E	M16				36.0	22.0	24.0		
	7361087	YAV095DM2045KS DE95-20SV45E	M20								
	7361117	YAV120DM845KS DE120-8SV45E	M8			28.0	14.0	16.0	26.0	...R120	
120	7361132	YAV120DM1045KS DE120-10SV45E	M10	15.0	19.5		17.0	17.0			
	7361147	YAV120DM1245KS DE120-12SV45E	M12				18.0	20.0			
	7361162	YAV120DM1445KS DE120-14SV45E	M14				15.0	20.0			
	7361177	YAV120DM1645KS DE120-16SV45E	M16				30.0	16.0	22.0		
	7361192	YAV120DM2045KS DE120-20SV45E	M20				36.0	22.0	24.0		





# Industrial electrical connections

Copper butt connectors  
VDE 0220

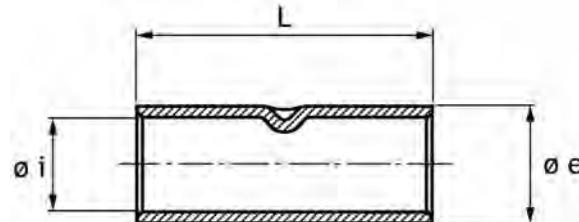


Compliant with VDE 0220

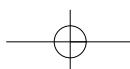
**YSV-D series**

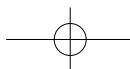


**Tooling** : see pages 148-153



Conductor size (mm <sup>2</sup> )	item code	Part numbers	Dimensions (mm)			Type of dies
			ØI	ØE	L	
6	7435061	YSV06D DEM6	3.5	6.5	24	...R6/...6DGE1T
10	7435071	YSV010D DEM10	4.5	7	28	...R10/...10DGE1T
16	7435081	YSV016D DEM16	5.5	8.5	34	...R16/...16DGE1T
25	7435091	YSV025D DEM25	7	10	38	...R25/...25DGE1T
35	7435101	YSV035D DEM35	8.5	12	42	...R35/...35DGE1T
50	7435111	YSV050D DEM50	10	14	48	...R50/...50DGE1T
70	7435121	YSV070D DEM70	12	16.5	52	...R70/...70DGE1T
95	7435131	YSV095D DEM95	13.5	18	59	...R95/...95DGE1T
120	7435141	YSV120D DEM120	15	19.5	62	...R120/...120DGE1T
150	7435151	YSV150D DEM150	16.5	21	72	...R150/...150DGE1T
185	7435161	YSV185D DEM185	19	24	72	...R185/...185DGE1T
240	7435171	YSV240D DEM240	21	26	82	...R240/...240DGE1T
300	7435181	YSV300D DEM300	23.5	29.5	102	...R300/...300DGE1T
400	7435191	YSV400D DEM400	27	34	102	...R400/...400DGE1T





# Industrial electrical connections

Copper tubular lugs from  
6 to 95 mm<sup>2</sup>  
DIN 46235



## General features

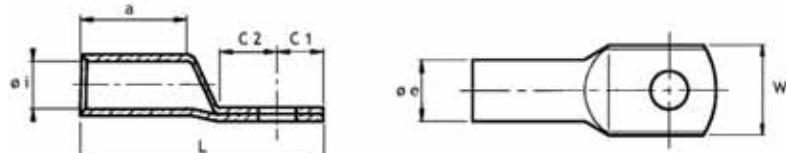
- Electrolytic copper.
- Electrolytic tin-plating process.
- Funnel entry.
- For no tin plated lugs delet "TN" to part number (eg. YCA095M12).

Compliant with DIN 46235

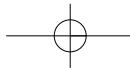
YCA-TN series

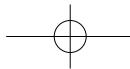


Tooling : see pages



Conductor size (mm <sup>2</sup> )	item code	Part numbers	Stud size	Dimensions (mm)							Die code
				W	ØI	Øe	C1	C2	a	L	
6	7362001	YCA06M5TN	5	8.5	3.8	5.5	8	8	10	32	.. K5
	7362011	YCA06M6TN	6	8.5	3.8	5.5	8	8	10	32	
	7362021	YCA06M8TN	8	13	3.8	5.5	11	9	10	32	
10	7362031	YCA010M5TN	5	9	4.5	6	8	8	10	35	.. K6
	7362041	YCA010M6TN	6	9	4.5	6	8	8	10	35	
	7362051	YCA010M8TN	8	13	4.5	6	10	10	10	39	
	7362053	YCA010M10TN	10	17	4.5	6	12	12	10	48	
16	7362061	YCA016M6TN	6	13	5.5	8.5	10	10	20	46	.. K8
	7362071	YCA016M8TN	8	13	5.5	8.5	10	10	20	46	
	7362081	YCA016M10TN	10	17	5.5	8.5	13	13	20	49	
	7362191	YCA016M12TN	12	18	5.5	8.5	12	12	20	48	
25	7362101	YCA025M6TN	6	14	7	10	10	10	20	48	.. K10
	7362111	YCA025M8TN	8	16	7	10	10	10	20	48	
	7362121	YCA025M10TN	10	17	7	10	13	13	20	51	
	7362131	YCA025M12TN	12	19	7	10	13	13	20	51	
35	7362141	YCA035M6TN	6	17	8.2	12.5	13	13	20	55	.. K12
	7362151	YCA035M8TN	8	17	8.2	12.5	13	13	20	55	
	7362161	YCA035M10TN	10	19	8.2	12.5	13	13	20	55	
	7362171	YCA035M12TN	12	21	8.2	12.5	13	13	20	55	
	7362181	YCA035M14TN	14	21	8.2	12.5	13	13	20	55	
50	7362191	YCA050M8TN	8	20	10	14.5	12	12	28	64	.. K14
	7362201	YCA050M10TN	10	22	10	14.5	12	12	28	64	
	7362211	YCA050M12TN	12	24	10	14.5	16	16	28	64	
	7362221	YCA050M14TN	14	24	10	14.5	16	16	28	68	
	7362231	YCA050M16TN	16	28	10	14.5	16	16	28	68	
70	7362241	YCA070M8TN	8	24	11.5	16.5	12	12	28	67	.. K16
	7362251	YCA070M10TN	10	24	11.5	16.5	12	12	28	67	
	7362261	YCA070M12TN	12	24	11.5	16.5	16	16	28	71	
	7362271	YCA070M14TN	14	24	11.5	16.5	16	16	28	71	
	7362281	YCA070M16TN	16	30	11.5	16.5	16	16	28	71	
95	7362291	YCA095M8TN	8	28	13.5	19	14	13	35	79	.. K18
	7362301	YCA095M10TN	10	28	13.5	19	14	13	35	79	
	7362311	YCA095M12TN	12	28	13.5	19	14	13	35	79	
	7362321	YCA095M14TN	14	28	13.5	19	16	16	35	81	
	7362331	YCA095M16TN	16	32	13.5	19	16	16	35	81	
	7362333	YCA095M20TN	20	34	13.5	19	16	16	35	81	





# Industrial electrical connections

Copper tubular lugs from  
120 to 625 mm<sup>2</sup>  
DIN 46235



## General features

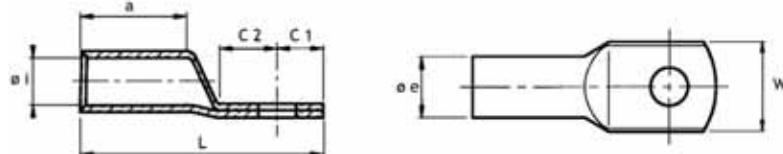
- Electrolytic copper.
- Electrolytic tin-plating process.
- Funnel entry
- For no tin plated lugs delet "TN" to part number (eg. YCA120M12)

Compliant with DIN 46235

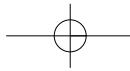
YCA-TN series

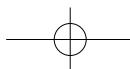


Tooling : see pages 148-153



Conductor size (mm <sup>2</sup> )	item code	Part numbers	Stud size	Dimensions (mm)							Die code
				W	ØI	Øe	C1	C2	a	L	
120	7362341	YCA120M10TN	10	32	15.5	21	13	13	35	83	.. K20
	7362351	YCA120M12TN	12	32	15.5	21	14	13	35	84	
	7362361	YCA120M14TN	14	32	15.5	21	14	13	35	84	
	7362371	YCA120M16TN	16	32	15.5	21	17	16	35	90	
	7362381	YCA120M20TN	20	38	15.5	21	20	20	35	97	
150	7362391	YCA150M10TN	10	34	17	23.5	13	13	35	91	.. K22
	7362401	YCA150M12TN	12	34	17	23.5	14	13	35	92	
	7362411	YCA150M14TN	14	34	17	23.5	14	13	35	92	
	7362421	YCA150M16TN	16	34	17	23.5	17	16	35	98	
	7362431	YCA150M20TN	20	40	17	23.5	20	20	35	105	
185	7362441	YCA185M10TN	10	37	19	25.5	13	13	40	95	.. K25
	7362451	YCA185M12TN	12	37	19	25.5	14	13	40	96	
	7362461	YCA185M14TN	14	37	19	25.5	14	13	40	96	
	7362471	YCA185M16TN	16	37	19	25.5	17	16	40	102	
	7362481	YCA185M20TN	20	40	19	25.5	20	20	40	109	
240	7362491	YCA240M12TN	12	42	21.5	29	14	23	40	106	.. K28
	7362501	YCA240M14TN	14	42	21.5	29	14	23	40	106	
	7362511	YCA240M16TN	16	42	21.5	29	17	23	40	109	
	7362521	YCA240M20TN	20	45	21.5	29	20	23	40	112	
300	7362531	YCA300M14TN	14	48	24.5	32	17	20	50	117	.. K32
	7362541	YCA300M16YN	16	48	24.5	32	17	20	50	117	
	7362551	YCA300M20TN	20	48	24.5	32	20	20	50	120	
400	7362561	YCA400M14TN	14	55	27.5	38.5	22	20	70	137	.. K38
	7362571	YCA400M16TN	16	55	27.5	38.5	22	20	70	137	
	7362581	YCA400M20TN	20	55	27.5	38.5	22	20	70	137	
500	7362591	YCA500M16TN	16	60	31	42	22	20	70	147	.. K42
	7362601	YCA500M20TN	20	60	31	42	22	20	70	147	
625/630	7362611	YCA630M16TN	16	60	34.5	44	22	20	80	157	.. K44
	7362621	YCA630M20TN	20	60	34.5	44	22	20	80	157	
800		YCA800M20TN	20	75	40	52	22	20	100	187	.. K52
1000		YCA1000M20TN	20	85	44	58	22	20	100	187	.. K58





# Industrial electrical connections

Non insulated copper splices from 6 to 1000 mm<sup>2</sup> DIN 46267/T1



## General features

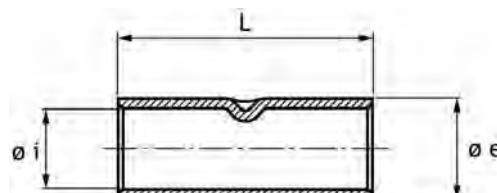
- Electrolytic copper
- Electrolytic tin plating process
- Funnel entry
- For no tin plated splice delet "TN" to part number (eg. YCS35)

Compliant with **DIN 46267/T1**

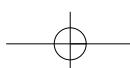
**YCS-TN** series

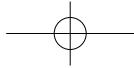


**Tooling** : see pages ???



Conducteur size (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)			Type of die
			Øi	Øe	L	
6	7435231	YCS06TN	3.8	5.5	30.0	.K5
10	7435241	YCS10TN	4.5	6	30.0	.K6
16	7435251	YCS16TN	5.5	8.5	50.0	.K8
25	7435261	YCS25TN	7.0	10	50.0	.K10
35	7435271	YCS35TN	8.2	12.5	50.0	.K12
50	7435281	YCS50TN	10.0	14.5	56.0	.K14
70	7435291	YCS70TN	11.5	16.5	56.0	.K16
95	7435301	YCS95TN	13.5	19	70.0	.K18
120	7435311	YCS120TN	15.5	21	70.0	.K20
150	7435421	YCS150TN	17.0	23.5	80.0	.K22
185	7435331	YCS185TN	19.0	25.5	85.0	.K25
240	7435341	YCS240TN	21.5	29	90.0	.K28
300	7435451	YCS300TN	24.5	32	100.0	.K32
400	7435361	YCS400TN	27.5	38.5	150.0	.K38
500	7435371	YCS500TN	31.0	42	160.0	.K42
625/630	7435381	YCS630TN	34.5	44	160.0	.K44
800	7435391	YCS800TN	40.0	52	200.0	.K52
1000	7435401	YCS1000TN	44.0	58	200.0	.K58





# Industrial electrical connections

Non-insulated copper tube butt splices

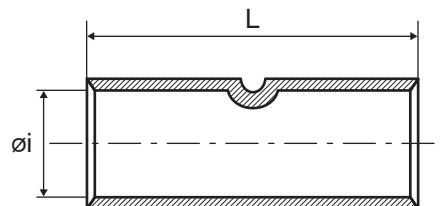


Compliant with  
DIN 46341/T1 form A

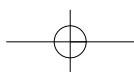
**BYS line**

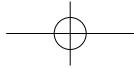


**Tooling** : see pages ???



Section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)	
			Ø i	L
0.1 - 0.5	7436100	BYS05	1.2	12
> 0.5 - 1.5	7436105	BYS1	1.8	15
>1 - 2.5	7436110	BYS025	2.4	15
>4 - 6	7436115	BYS6	3.6	15
>6 - 10	7436120	BYS10	4.5	20
>10 - 16	7436125	BYS16	5.8	23
>16 - 25	7436130	BYS25	7.5	25
>25 - 35	7436135	BYS35	9	27
>35 - 50	7436140	BYS50	11	38
>50 - 70	7436145	BYS70	13	42
>70 - 95	7436150	BYS95	15	48
>95 - 120	7436155	BYS120	16.5	52
>120 - 150	7436160	BYS150	19	56





# Industrial electrical connections

Non-insulated copper tube parallel splices



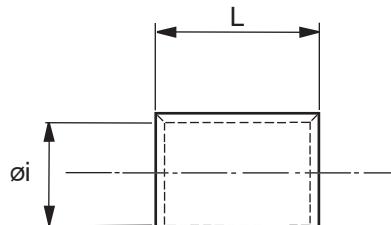
Compliant with  
DIN 46341/T1 form B

**BYSM line**

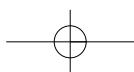


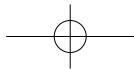
Tooling : see pages ???

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE



Section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)	
			Ø i	L
0.1 - 0.5	7430492	BYSM05	1.2	6
> 0.5 - 1.5	7430501	BYSM1	1.8	8
		MP1.5		
> 1 - 2.5	7430511	BYSM025	2.4	8
		MP2.5		
> 4 - 6	7430531	BYSM6	3.6	8.5
		MP6		
> 6 - 10	7430541	BYSM10	4.5	9
		MP10		
> 10 - 16	7430551	BYSM16	5.8	10
		MP16		
> 16 - 25	7430561	BYSM25	7.5	11
		MP25		
> 25 - 35	7430571	BYSM35	9	12
		MP35		
> 35 - 50	7430581	BYSM50	11	16
		MP50		
> 50 - 70	7430602	BYSM70	13	18
> 70 - 95	7430612	BYSM95	15	20
> 95 - 120	7430622	BYSM120	16.5	22
> 120 - 150	7430632	BYSM150	19	24





# Industrial electrical connections

Copper tubular lugs for flexible cables according to DIN VDE 57295



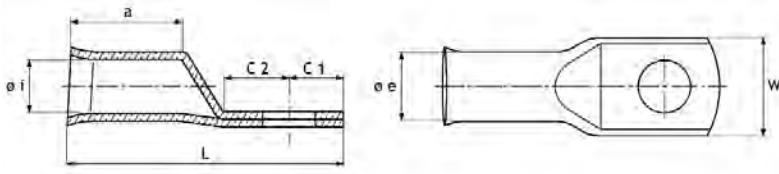
## General features

- Electrolytic copper.
- Electrolytic tin-plating process.
- Bell entry.
- For lugs with inspection hole, remove "SV" from the part number (eg. DEF10-5T).

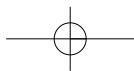
**DEF-TSV series**

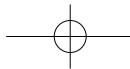


**Tooling** : see pages



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)							Type of dies
					W	Øi	Øe	C1	C2	a	L	
10	7 363 001	DEF 10-5 TSV	100	5	12	5.6	8	6	7	12.6	32	..F 10
	7 363 011	DEF 10-6 TSV	100	6	12	5.6	8	6	7	12.6	32	
	7 363 021	DEF 10-8 TSV	100	8	15	5.6	8	8	10	12.6	36	
	7 363 031	DEF 10-10 TSV	100	10	15	5.6	8	8	10	12.6	36	
16	7 363 051	DEF 16-5 TSV	50	5	13	6.6	9.5	7	9	14.6	37.6	..F 16
	7 363 061	DEF 16-6 TSV	50	6	13	6.6	9.5	7	9	14.6	37.6	
	7 363 071	DEF 16-8 TSV	50	8	16	6.6	9.5	9	11	14.6	41.6	
	7 363 081	DEF 16-10 TSV	50	10	16	6.6	9.5	9	11	14.6	41.6	
	7 363 091	DEF 16-12 TSV	50	12	17.5	6.6	9.5	9	11	14.6	41.6	
25	7 363 101	DEF 25-5 TSV	50	5	15	7.9	11	9	11	16.5	43.5	..F 25
	7 363 111	DEF 25-6 TSV	50	6	15	7.9	11	9	11	16.5	43.5	
	7 363 121	DEF 25-8 TSV	50	8	17	7.9	11	9	11	16.5	43.5	
	7 363 131	DEF 25-10 TSV	50	10	17	7.9	11	9	11	16.5	43.5	
	7 363 141	DEF 25-12 TSV	50	12	18.5	7.9	11	9	11	16.5	43.5	
35	7 363 151	DEF 35-6 TSV	50	6	18	9.2	12.5	7	10	18.5	43.5	..F 35
	7 363 161	DEF 35-8 TSV	50	8	18	9.2	12.5	10	14	18.5	51	
	7 363 171	DEF 35-10 TSV	50	10	18	9.2	12.5	10	14	18.5	51	
	7 363 181	DEF 35-12 TSV	50	12	19	9.2	12.5	10	14	18.5	51	
	7 363 191	DEF 35-14 TSV	50	14	20.8	9.2	12.5	10	14.5	18.5	51	
50	7 363 201	DEF 50-6 TSV	50	6	21	11	15	10	14	21.5	55.5	..F 50
	7 363 211	DEF 50-8 TSV	50	8	21	11	15	10	14	21.5	55.5	
	7 363 221	DEF 50-10 TSV	50	10	21	11	15	10	14	21.5	55.5	
	7 363 231	DEF 50-12 TSV	50	12	21	11	15	10	14	21.5	55.5	
	7 363 241	DEF 50-14 TSV	50	14	21	11	15	10	14	21.5	55.5	
70	7 363 251	DEF 70-6 TSV	25	6	24	13.1	17	13.5	15.5	27.5	67.5	..F 70
	7 363 261	DEF 70-8 TSV	25	8	24	13.1	17	13.5	15.5	27.5	67.5	
	7 363 271	DEF 70-10 TSV	25	10	24	13.1	17	13.5	15.5	27.5	67.5	
	7 363 281	DEF 70-12 TSV	25	12	24	13.1	17	13.5	15.5	27.5	67.5	
	7 363 291	DEF 70-14 TSV	25	14	24	13.1	17	13.5	15.5	27.5	67.5	
	7 363 301	DEF 70-16 TSV	25	16	24	13.1	17	13.5	15.5	27.5	67.5	
95	7 363 311	DEF 95-8 TSV	25	8	28	14.5	19	13	12	32.5	75.5	..F 95
	7 363 321	DEF 95-10 TSV	25	10	28	14.5	19	13	12	32.5	75.5	
	7 363 331	DEF 95-12 TSV	25	12	28	14.5	19	13	12	32.5	75.5	
	7 363 341	DEF 95-14 TSV	25	14	28	14.5	19	13	12	32.5	75.5	
	7 363 351	DEF 95-16 TSV	25	16	28	14.5	19	13	12	32.5	75.5	





# Industrial electrical connections

Copper tubular lugs for flexible cables according to DIN VDE 57295



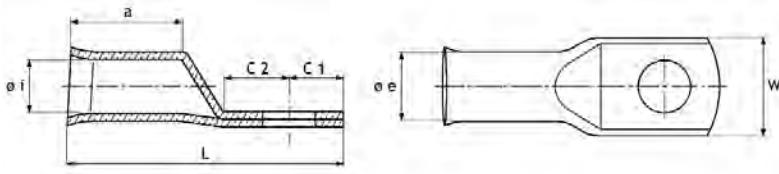
**DEF-TSV series**



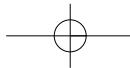
## General features

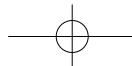
- Electrolytic copper.
- Tin-plating process.
- Bell entry.
- For lugs with inspection hole, remove "SV" from the part number (eg. DEF120-8T).

**Tooling** : see pages



Conductor size (mm <sup>2</sup> )	Packing / 10 pieces		Hole Ø (mm)	Dimensions (mm)						Type of dies	
	Item code	Part number		W	Øi	Øe	C1	C2	a	L	
120	7 363 361	DEF 120-8 TSV	8	30	16.2	21	15	15	31.5	74.5	..F 120
	7 363 371	DEF 120-10 TSV	10	30	16.2	21	15	15	31.5	74.5	
	7 363 381	DEF 120-12 TSV	12	30	16.2	21	15	15	31.5	74.5	
	7 363 391	DEF 120-14 TSV	14	30	16.2	21	17	17	31.5	74.5	
	7 363 401	DEF 120-16 TSV	16	30	16.2	21	17	17	31.5	78.5	
150	7 363 411	DEF 150-8 TSV	8	33	18	23	15	15	35.5	81.5	..F 150
	7 363 421	DEF 150-10 TSV	10	33	18	23	15	15	31.5	81.5	
	7 363 431	DEF 150-12 TSV	12	33	18	23	15	15	31.5	81.5	
	7 363 441	DEF 150-14 TSV	14	33	18	23	17	17	31.5	85.5	
	7 363 451	DEF 150-16 TSV	16	33	18	23	17	17	31.5	85.5	
	7 363 461	DEF 150-20 TSV	20	33	18	23	17	17	31.5	85.5	
185	7 363 471	DEF 185-10 TSV	10	37	20.6	26	17	17	39.6	89.5	..F 185
	7 363 481	DEF 185-12 TSV	12	37	20.6	26	17	17	39.6	89.5	
	7 363 491	DEF 185-14 TSV	14	37	20.6	26	19	19	39.6	93.5	
	7 363 501	DEF 185-16 TSV	16	37	20.6	26	19	19	39.6	93.5	
	7 363 511	DEF 185-20 TSV	20	37	20.6	26	20	20	39.6	93.5	
240	7 363 521	DEF 240-12 TSV	12	41	23	28	19	19	41	95.5	..F 240
	7 363 531	DEF 240-14 TSV	14	41	23	28	19	19	41	95.5	
	7 363 541	DEF 240-16 TSV	16	41	23	28	19	19	41	95.5	
	7 363 551	DEF 240-20 TSV	20	41	23	28	19	20	41	97.5	
300	7 363 561	DEF 300-12 TSV	12	47	26	32	20	25	43	111	..F 300
	7 363 571	DEF 300-14 TSV	14	47	26	32	20	25	43	111	
	7 363 581	DEF 300-16 TSV	16	47	26	32	20	25	43	111	
	7 363 591	DEF 300-20 TSV	20	47	26	32	20	25	43	111	





# Industrial electrical connections

Copper tubular lug from 0.3 to 1000 mm<sup>2</sup>



## General features

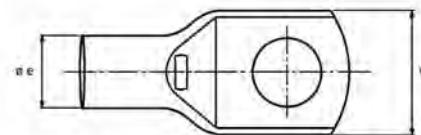
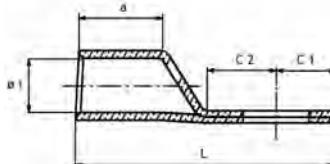
- Electrolytic copper
- Electrolytic plating process
- Funnel entry
- Performance
- Heat resistant up to +125 °C

According to  
IEC-61238

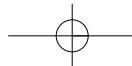
**YAV** series

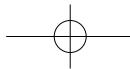


Tooling : see pages ???



Conductor size (mm <sup>2</sup> )	Item code	Part number	Stud size	Dimensions (mm)				
				d	y	b	c	Øk
0.3 - 1.2	7370400	YAV18T4	3.0	1.4	13.7	4.8	6.9	3.1
	7370405	YAV18T5	3.5	1.4	15.5	6.1	6.9	3.7
	7370410	YAV18T1	4.0	1.4	15.5	8.0	6.9	4.3
	7370415	YAV18	5.0	1.4	15.5	8.0	6.9	5.1
1.5 - 2.5	7370420	YAV025M35	3.5	2.3	13.7	6.0	6.9	3.7
	7370425	YAV025M4	4.0	2.3	15.2	8.0	6.9	4.3
	7370430	YAV025M5	5.0	2.3	15.2	8.0	6.9	5.3
	7370435	YAV025M6	6.0	2.3	16.7	10.4	6.9	6.4
2.5 - 4	7370440	YAV14T3	8.0	2.3	17.9	11.1	6.9	8.4
	7370445	YAV04M4	4.0	2.6	15.2	6.9	6.9	4.3
	7370450	YAV04M5	5.0	2.6	15.2	7.6	6.9	5.3
4 - 6	7370455	YAV04M6	6.0	2.6	16.7	9.1	6.9	6.4
	7370460	YAV06M35	3.5	3.3	17.9	7.0	9.5	3.7
	7370465	YAV06M4	4.0	3.3	19.4	8.0	9.5	4.3
Flex 6	7370470	YAV06M5	5.0	3.3	19.9	10.0	9.5	5.3
	7370475	YAV06M6	6.0	3.3	20.9	11.0	9.5	6.4
	7370480	YAV06M8	8.0	3.3	23.4	13.0	9.5	8.4
10	7370485	YAV10T38	10.0	3.3	22.5	14.2	9.5	10.5
	7370490	YAV06FM4	4.0	3.8	18.1	8.0	9.9	4.3
	7370495	YAV06FM5	5.0	3.8	19.1	9.7	9.9	5.3
	7370500	YAV06FM6	6.0	3.8	20.1	11.0	9.9	6.4
	7370505	YAV06FM8	8.0	3.8	22.1	13.0	9.9	8.4
16	7370510	YAV06FM10	10.0	3.8	24.1	14.0	9.9	10.5
	7370515	YAV10M4	4.0	4.6	19.4	10.3	12.0	4.3
	7370520	YAV10M5	5.0	4.6	20.1	10.3	12.0	5.3
	7370525	YAV10M6	6.0	4.6	21.4	11.1	12.0	6.4
	7370530	YAV10M8	8.0	4.6	23.4	14.3	12.0	8.4
	7370535	YAV10M10	10.0	4.6	25.4	14.3	12.0	10.5
25	7370540	YAV10M12	12.0	4.6	28.4	18.5	12.0	12.3
	7370545	YAV16M5	5.0	5.7	22.9	12.7	14.0	5.3
	7370550	YAV16M6	6.0	5.7	23.9	12.7	14.0	6.4
	7370555	YAV16M8	8.0	5.7	25.9	15.0	14.0	8.4
	7370560	YAV16M10	10.0	5.7	27.9	15.0	14.0	10.5
	7370565	YAV16M12	12.0	5.7	30.9	18.5	14.0	13.2
35	7370570	YAV25M5	5.0	7.2	24.7	13.9	15.0	5.3
	7370575	YAV25M6	6.0	7.2	25.7	13.9	15.0	6.4
	7370580	YAV25M8	8.0	7.2	27.7	15.9	15.0	8.4
	7370585	YAV25M10	10.0	7.2	29.7	15.9	15.0	10.5
	7370590	YAV25M12	12.0	7.2	32.7	18.5	15.0	13.2
50	7370595	YAV35M5	5.0	8.5	27.4	15.9	17.0	5.3
	7370600	YAV35M6	6.0	8.5	28.4	15.9	17.0	6.4
	7370605	YAV35M8	8.0	8.5	30.4	15.9	17.0	8.4
	7370610	YAV35M10	10.0	8.5	32.4	15.9	17.0	10.5
	7370615	YAV35M12	12.0	8.5	35.4	19.8	17.0	13.2
	7370620	YAV50M5	5.0	9.5	30.9	18.2	20.0	5.3
	7370625	YAV50M6	6.0	9.5	31.9	18.2	20.0	6.4
	7370630	YAV50M8	8.0	9.5	33.9	18.2	20.0	8.4
	7370635	YAV50M10	10.0	9.5	35.9	18.2	20.0	10.5
	7370640	YAV50M12	12.0	9.5	38.9	19.8	20.0	13.2
	7370645	YAV50M14	14.0	9.5	38.9	21.5	20.0	15.0
	7370650	YAV50M16	16.0	9.5	41.9	22.4	20.0	17.0





# Industrial electrical connections

Copper tubular lug from 0.3 to 1000 mm<sup>2</sup>



## General features

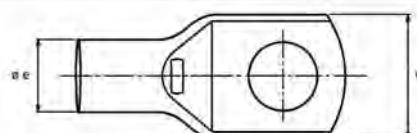
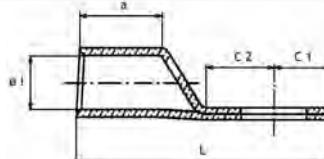
- Electrolytic copper
- Electrolytic plating process
- Funnel entry
- Performance
- Heat resistant up to +125 °C

According to  
IEC-61238

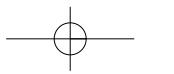
**YAV** series

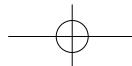


Tooling : see pages ???



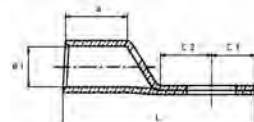
Conductor size (mm <sup>2</sup> )	Item code	Part number	Stud size	Dimensions (mm)				
				d	y	b	c	Øk
Flex 50	7370655	YAV50FM5	5.0	10.0	30.9	18.2	20.0	5.3
	7370660	YAV50FM6	6.0	10.0	31.9	19.5	20.0	6.4
	7370665	YAV50FM8	8.0	10.0	33.9	19.5	20.0	8.4
	7370670	YAV50FM10	10.0	10.0	35.9	19.5	20.0	10.5
	7370675	YAV50FM12	12.0	10.0	38.9	21.8	20.0	13.2
	7370680	YAV50FM14	14.0	10.0	38.9	21.8	20.0	15.0
	7370685	YAV50FM16	16.0	10.0	41.9	22.4	20.0	17.0
70	7370690	YAV70M5	5.0	11.3	32.4	21.4	21.0	5.3
	7370695	YAV70M6	6.0	11.3	33.4	21.4	21.0	6.4
	7370700	YAV70M8	8.0	11.3	35.4	21.4	21.0	8.4
	7370705	YAV70M10	10.0	11.3	37.4	21.4	21.0	10.5
	7370710	YAV70M12	12.0	11.3	40.4	22.4	21.0	13.2
	7370715	YAV70M14	14.0	11.3	40.4	22.4	21.0	15.0
	7370720	YAV70M16	16.0	11.3	43.4	22.4	21.0	17.0
Flex 70	7370725	YAV70FM5	5.0	12.8	37.4	23.8	25.0	5.3
	7370730	YAV70FM6	6.0	12.8	38.4	23.8	25.0	6.4
	7370735	YAV70FM8	8.0	12.8	40.4	23.8	25.0	8.4
	7370740	YAV70FM10	10.0	12.8	42.4	23.8	25.0	10.5
	7370745	YAV70FM12	12.0	12.8	45.4	23.8	25.0	13.2
	7370750	YAV70FM14	14.0	12.8	45.4	23.8	25.0	15.0
	7370755	YAV70FM16	16.0	12.8	48.4	23.8	25.0	17.0
95	7370760	YAV95M8	8.0	13.4	41.4	25.0	25.0	8.4
	7370765	YAV95M10	10.0	13.4	43.4	25.0	25.0	10.5
	7370770	YAV95M12	12.0	13.4	46.4	25.0	25.0	13.2
	7370775	YAV95M14	14.0	13.4	46.4	25.0	25.0	15.0
	7370780	YAV95M16	16.0	13.4	49.4	25.0	25.0	17.0
Flex 95	7370785	YAV95FM8	8.0	14.2	41.4	25.0	25.0	8.4
	7370790	YAV95FM10	10.0	14.2	43.4	25.0	25.0	10.5
	7370795	YAV95FM12	12.0	14.2	46.4	25.0	25.0	13.2
	7370800	YAV95FM14	14.0	14.2	46.4	25.0	25.0	15.0
	7370805	YAV95FM16	16.0	14.2	49.4	25.0	25.0	17.0
120	7370810	YAV120M8	8.0	15.9	44.4	29.0	27.0	8.4
	7370815	YAV120M10	10.0	15.9	46.4	29.0	27.0	10.5
	7370820	YAV120M12	12.0	15.9	49.4	29.0	27.0	13.2
	7370825	YAV120M14	14.0	15.9	49.4	29.0	27.0	15.0
	7370830	YAV120M16	16.0	15.9	52.4	29.0	27.0	17.0
	7370835	YAV120M20	20.0	15.9	58.4	29.0	27.0	21.0
Flex 120	7370840	YAV120FM8	8.0	15.9	44.4	29.0	27.0	8.4
	7370845	YAV120FM10	10.0	15.9	46.4	29.0	27.0	10.5
	7370850	YAV120FM12	12.0	15.9	49.4	29.0	27.0	13.2
	7370855	YAV120FM14	14.0	15.9	49.4	29.0	27.0	15.0
	7370860	YAV120FM16	16.0	15.9	52.4	29.0	27.0	17.0
	7370865	YAV120FM20	20.0	15.9	58.4	29.0	27.0	21.0
150	7370870	YAV150M10	10.0	16.5	52.3	30.4	27.0	10.5
	7370875	YAV150M12	12.0	16.5	55.3	30.4	27.0	13.2
	7370880	YAV150M14	14.0	16.5	55.3	30.4	27.0	15.0
	7370885	YAV150M16	16.0	16.5	58.3	30.4	27.0	17.0
	7370890	YAV150M20	20.0	16.5	64.3	30.4	27.0	21.0
Flex 150	7370895	YAV150FM10	10.0	17.8	55.9	32.8	28.6	10.5
	7370900	YAV150FM12	12.0	17.8	58.9	32.8	28.6	13.2
	7370905	YAV150FM14	14.0	17.8	58.9	32.8	28.6	15.0
	7370910	YAV150FM16	16.0	17.8	61.9	32.8	28.6	17.0
	7370915	YAV150FM20	20.0	17.8	67.9	32.8	28.6	21.0





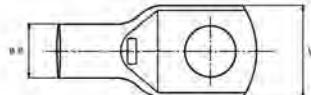
# Industrial electrical connections

Copper tubular lug from 0.3 to 1000 mm<sup>2</sup>



## General features

- Electrolytic copper
- Electrolytic plating process
- Funnel entry
- Performance
- Heat resistant up to +125 °C



**YAV series**

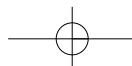
According to  
**IEC-61238**

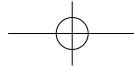


Tooling : see pages ???

Conductor size (mm <sup>2</sup> )	Item code	Part number	Stud size	Dimensions (mm)				
				d	y	b	c	Øk
185	7370920	YAV185M10	10.0	18.4	61.8	35.7	30.2	10.5
	7370925	YAV185M12	12.0	18.4	64.8	35.7	30.2	13.2
	7370930	YAV185M14	14.0	18.4	64.8	35.7	30.2	15.0
	7370935	YAV185M16	16.0	18.4	67.8	35.7	30.2	17.0
	7370940	YAV185M20	20.0	18.4	73.8	35.7	30.2	21.0
Flex 185	7370945	YAV185FM10	10.0	19.4	61.8	35.7	30.2	10.5
	7370950	YAV185FM12	12.0	19.4	64.8	35.7	30.2	13.2
	7370955	YAV185FM14	14.0	19.4	64.8	35.7	30.2	15.0
	7370960	YAV185FM16	16.0	19.4	67.8	35.7	30.2	17.0
	7370965	YAV185FM20	20.0	19.4	73.8	35.7	30.2	21.0
240	7370970	YAV240M10	10.0	21.2	68.2	39.6	34.9	10.5
	7370975	YAV240M12	12.0	21.2	71.2	39.6	34.9	13.2
	7370980	YAV240M14	14.0	21.2	71.2	39.6	34.9	15.0
	7370985	YAV240M16	16.0	21.2	74.2	39.6	34.9	17.0
	7370990	YAV240M20	20.0	21.2	80.2	39.6	34.9	21.0
Flex 240	7370995	YAV240FM10	10.0	22.0	73.4	41.0	36.0	10.5
	7371000	YAV240FM12	12.0	22.0	76.4	41.0	36.0	13.2
	7371005	YAV240FM14	14.0	22.0	76.4	41.0	36.0	15.0
	7371010	YAV240FM16	16.0	22.0	79.4	41.0	36.0	17.0
	7371015	YAV240FM20	20.0	22.0	85.4	41.0	36.0	21.0
300	7371020	YAV300M12	12.0	23.4	77.3	43.0	43.0	13.2
	7371025	YAV300M14	14.0	23.4	78.3	43.0	43.0	15.0
	7371030	YAV300M16	16.0	23.4	80.3	43.0	43.0	17.0
	7371035	YAV300M20	20.0	23.4	86.3	43.0	43.0	21.0
Flex 300	7371040	YAV300FM12	12.0	24.2	81.4	45.0	43.0	13.2
	7371045	YAV300FM14	14.0	24.2	82.4	45.0	43.0	15.0
	7371050	YAV300FM16	16.0	24.2	84.4	45.0	43.0	17.0
	7371055	YAV300FM20	20.0	24.2	90.4	45.0	43.0	21.0
350	7371060	YAV350M12	12.0	25.0	77.3	46.0	43.0	13.2
	7371065	YAV350M16	16.0	25.0	80.3	46.0	43.0	17.0
	7371070	YAV350M20	20.0	25.0	86.3	46.0	43.0	21.0
375.0	7371075	YAV375M12	12.0	26.2	81.3	48.0	43.0	13.2
	7371080	YAV375M16	16.0	26.2	84.3	48.0	43.0	17.0
	7371085	YAV375M20	20.0	26.2	90.3	48.0	43.0	21.0
400	7371090	YAV400M12	12.0	26.7	81.3	49.5	43.0	13.2
	7371095	YAV400M14	14.0	26.7	82.3	49.5	43.0	15.0
	7371100	YAV400M16	16.0	26.7	84.3	49.5	43.0	17.0
	7371105	YAV400M20	20.0	26.7	90.3	49.5	43.0	21.0
Flex 400	7371110	YAV400FM12	12.0	27.2	83.6	51.0	44.0	13.2
	7371115	YAV400FM14	14.0	27.2	84.6	51.0	44.0	15.0
	7371120	YAV400FM16	16.0	27.2	86.6	51.0	44.0	17.0
	7371125	YAV400FM20	20.0	27.2	92.6	51.0	44.0	21.0
500	7371130	YAV500M12	12.0	29.8	87.8	55.1	47.7	13.2
	7371135	YAV500M14	14.0	29.8	88.8	55.1	47.7	15.0
	7371140	YAV500M16	16.0	29.8	90.8	55.1	47.7	17.0
	7371145	YAV500M20	20.0	29.8	86.8	55.1	47.7	21.0
630	7371150	YAV630M16	16.0	33.3	96.7	61.8	51.0	17.0
	7371155	YAV630M20	20.0	33.3	102.7	61.8	51.0	21.0
Flex 630	7371160	YAV630FM20	22.0	34.4	104.6	63.0	53.0	21.0
	7371165	YAV630FM22	22.0	34.4	106.6	63.0	53.0	23.8
800	7371170	YAV800M20*	20.0	38.0	114.0	68.0	52.0	21.0
Flex 800	7371175	YA47L*	20.0	39.6	116.0	68.0	52.0	21.0
1000	7371180	YA48L*	20.0	42.2	127.0	78.0	55.0	21.0

\* Other stud holes or undrilled palms on demand.  
Y46 takes "U" dies with PUADP1 adaptor.  
Y39 takes "U" dies with UADP1 adaptor.





# Industrial electrical connections

Non insulated copper butt splices  
from 0.3 to 1000 mm<sup>2</sup>

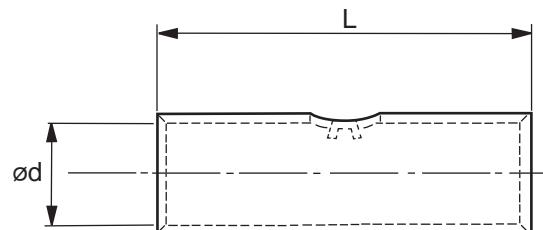


According to  
**IEC-61238**

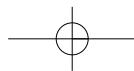
**YSV** series

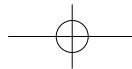


Tooling : see pages ???



Conductor size (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)	
			Ød	L
0.3 - 1.2	7435600	YSV18	1.4	15.8
1.5 - 2.5	7435605	YSV14	2.3	16.3
4 - 6	7435610	YSV10	3.4	19.1
Flex 6	7435615	YSV06F	3.8	19.1
10	7435620	YSV10M	4.6	26.0
16	7435625	YSV16	5.7	30.0
25	7435630	YSV25M	7.2	32.0
35	7435635	YSV35	8.5	36.0
50	7435640	YSV50	9.5	42.0
Flex 50	7435645	YSV50F	10.0	42.0
70	7435650	YSV70	11.3	45.0
Flex 70	7435655	YSV70F	12.8	45.0
95	7435660	YSV95	13.4	53.0
Flex 95	7435665	YSV95F	14.2	53.0
120	7435670	YSV120	15.0	57.0
Flex 120	7435675	YSV120F	15.9	57.0
150	7435680	YSV150	16.5	60.0
Flex 150	7435685	YSV150F	17.8	60.0
185	7435690	YSV185	18.4	64.0
Flex 185	7435695	YSV185F	19.4	64.0
240	7435700	YSV240	21.2	73.0
Flex 240	7435705	YSV240F	22.0	73.0
300	7435710	YSV300	23.4	73.0
Flex 300	7435715	YSV300F	24.2	73.0
350	7435720	YSV350	25.0	73.0
375	7435725	YSV375	26.2	86.0
400	7435730	YSV400	26.7	86.0
Flex 400	7435735	YSV400F	27.2	98.0
500	7435740	YSV500	29.8	98.0
630	7435745	YSV630	33.3	104.0
Flex 630	7435750	YSV630F	34.4	104.0
800	7435755	YSV800	36.6	114.0
Flex 800	7435760	YS47L	39.6	114.0
1000	7435765	YS48L	42.2	114.0





# Industrial electrical connections

Non insulated copper parallelbutt  
splices from 0.5 to 120 mm<sup>2</sup>



## General features

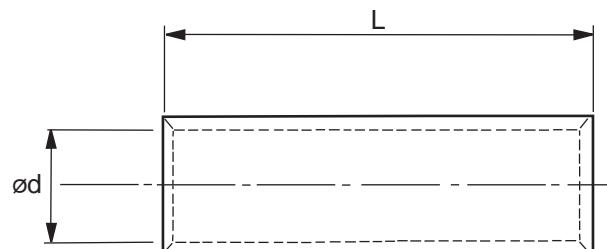
- Electrolytic copper
- Electrolytic tin plating process
- Funnel entry
- Performance
- Heat resistant up to +125 °C

According to  
**IEC-61238**

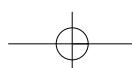
**YSM** series

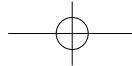


**Tooling** : see pages ???



Conductor size (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)	
			d	L
0.5 - 1	7435900	YSM18	1.6	7.0
1 - 2.5	7435905	YSM14	2.3	7.0
2.5 - 6	7435910	YSM10	3.6	7.0
Flex 6	7435915	YSM6F	3.8	10.7
10	7435920	YSM10	4.6	10.7
16	7435925	YSM16	5.7	11.2
25	7435930	YSM25M	7.2	12.7
35	7435935	YSM35	8.5	15.8
50	7435940	YSM50	9.5	15.8
Flex 50	7435945	YSM50F	10.0	18.8
70	7435950	YSM70	11.3	17.5
Flex 70	7435955	YSM70F	12.8	20.6
95	7435960	YSM95	13.4	20.6
Flex 95	7435965	YSM95F	14.2	20.6
120	7435970	YSM120	15.0	22.4
Flex 120	7435975	YSM120F	19.9	22.4





# Industrial electrical connections

Non insulated copper tubular reducers

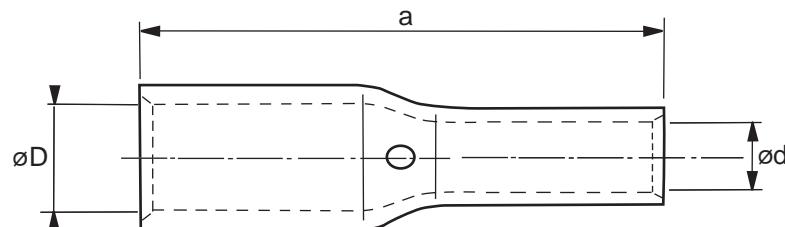


According to  
**IEC-61238**

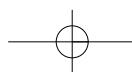
**YSV-YRV series**

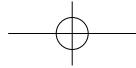


**Tooling** : see pages ???



Conducteur size (mm <sup>2</sup> )		Item code	Part number	Dimensions (mm)		
D	d			ØD	Ød	a
1.0 - 2.5	0.75 - 1.5	7436000	YSV1418	2.3	1.4	16.3
4	2 - 2.5	7436005	YSV1214G1	2.6	2.3	21.6
4 - 6	1 - 2.5	7436010	YSV1014G2	3.3	2.3	21.0
10	1 - 2.5	7436015	YRV8CV14L	4.6	2.3	30.2
10	4 - 6	7436020	YRV8CV10L	4.6	3.3	30.2
16	4 - 6	7436025	YRV6CV10L	5.7	3.3	32.5
16	10	7436030	YRV6CV8CL	5.7	4.6	30.8
25	16	7436035	YRV4CV6L	7.2	5.7	32.3
25	10	7436040	YRV2CV6L	9.1	5.7	41.4





# Industrial electrical connections

Copper tubular lugs with narrow tongue from 10 to 300 mm<sup>2</sup>



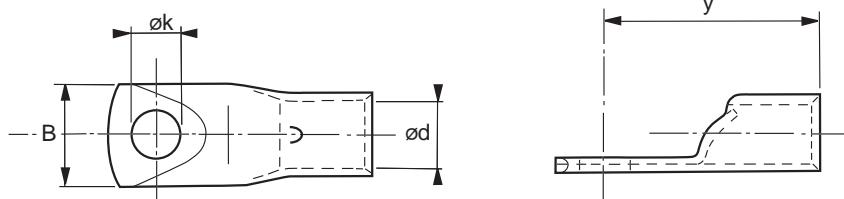
According to  
**IEC-61238**

## General features

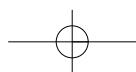
- Electrolytic copper
- Electrolytic tin plating process
- Funnel entry
- Performance
- Heat resistant up to +125 °C

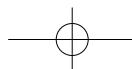
## YAV-TNCB series

**Tooling** : see pages ???



Conductor size (mm <sup>2</sup> )	Item code	Part number	Stud size	Dimensions (mm)				
				Ød	y	b	c	Øk
10	7370000	YAV10M5NTCB	5.0	4.6	20.0	9.0	11.5	5.3
16	7370001	YAV16M5NTCB		5.7	23.0		13.5	
25	7370002	YAV25M5NTCB		7.2	25.5		14.5	
35	7370003	YAV35M6NTCB	6.0	8.5	29.5	11.5	16.5	6.4
50	7370004	YAV50M6NTCB		9.5	33.5		19.5	
70	7370005	YAV70M6NTCB		11.3	37.5		20.5	
95	7370006	YAV95M8NTCB	8.0	13.4	44.5	15.5	24.5	8.4
120	7370007	YAV120M8NTCB		15.0	51.0		26.5	
150	7370008	YAV120M10NTCB		10.0	16.2	19.0	10.5	8.4
185	7370009	YAV150M8NTCB	8.0	16.2	61.0		28.0	
240	7370010	YAV150M10NTCB		18.0	68.0		29.7	10.5
300	7370011	YAV185M10NTCB	10.0	20.6	71.0	31.0	13.2	
	7370012	YAV240M10NTCB		12.0	74.0		17.0	13.2
	7370013	YAV240M12NTCB		16.0	77.0		42.5	
	7370014	YAV240M16NTCB						
	7370015	YAV300M12NTCB		12.0	23.1	83.0		





# Industrial electrical connections

Long barrel copper tubular lugs  
from 10 to 630 mm<sup>2</sup>



According to  
**IEC-61238**

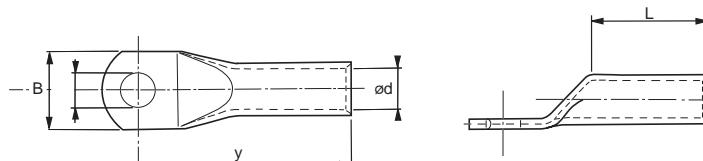
## General features

- Electrolytic copper
- Electrolytic tin plating process
- Funnel entry
- Performance
- Heat resistant up to +125 °C

**YAV V series**

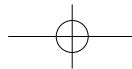


Tooling : see pages ???



Conductor size (mm <sup>2</sup> )	Item code	Part number	Stud size	Dimensions (mm)				
				d	y	b	c	Øk
10	7371300	YAV10M8V	8	4.6	38.4	14.3	24.6	8.4
16	7371305	YAV16M8V	8	5.7	43.6	15.0	28.6	8.4
	7371310	YAV25M8V	8	7.2	45.5	15.9	29.0	8.4
25	7371315	YAV25M10V	10	7.2	47.5	15.9	29.0	10.5
	7371320	YAV25M12V	12	7.2	50.5	18.5	29.0	13.2
	7371325	YAV35M8V	8	8.5	49.4	15.9	31.7	8.4
35	7371330	YAV35M10V	10	8.5	51.4	15.9	31.7	10.5
	7371335	YAV35M12V	12	8.5	54.4	19.8	31.7	13.2
	7371340	YAV50M8V	8	9.5	54.3	18.2	36.0	8.4
50	7371345	YAV50M10V	10	9.5	56.3	18.2	36.0	10.5
	7371350	YAV50M12V	12	9.5	59.3	19.8	36.0	13.2
	7371355	YAV70M10V	10	11.3	61.0	21.4	36.0	10.5
70	7371360	YAV70M12V	12	11.3	63.0	22.4	36.0	13.2
	7371365	YAV70M14V	14	11.3	65.6	22.4	36.0	15.0
	7371370	YAV70M16V	16	11.3	67.6	22.4	36.0	17.0
	7371375	YAV95M10V	10	13.4	68.6	25.0	42.0	10.5
95	7371380	YAV95M12V	12	13.4	71.6	25.0	42.0	13.2
	7371385	YAV95M14V	14	13.4	73.2	25.0	42.0	15.0
	7371390	YAV95M16V	16	13.4	75.2	25.0	42.0	17.0
	7371395	YAV120M10V	10	15.0	71.3	29.0	44.0	10.5
120	7371400	YAV120M12V	12	15.0	74.3	29.0	44.0	13.2
	7371405	YAV120M14V	14	15.0	75.9	29.0	44.0	15.0
	7371410	YAV120M16V	16	15.0	77.9	29.0	44.0	17.0
	7371415	YAV150M10V	10	16.5	85.4	30.4	50.0	13.2
150	7371420	YAV150M12V	12	16.5	89.0	30.4	50.0	15.0
	7371425	YAV150M14V	14	16.5	90.0	30.4	50.0	17.0
	7371430	YAV150M16V	16	16.5	94.4	30.4	50.0	21.0
	7371435	YAV185M12V	12	18.4	88.6	35.7	52.0	13.2
185	7371440	YAV185M14V	14	18.4	92.2	35.7	52.0	15.0
	7371445	YAV185M16V	16	18.4	93.2	35.7	52.0	17.0
	7371450	YAV185M20V	20	18.4	94.4	35.7	52.0	21.0
	7371455	YAV240M12V	12	21.2	98.1	39.6	57.2	13.2
240	7371460	YAV240M14V	14	21.2	101.7	39.6	57.2	15.0
	7371465	YAV240M16V	13	21.2	102.7	39.6	57.2	17.0
	7371470	YAV240M20V	20	21.2	107.1	39.6	57.2	21.0
	7371475	YAV300M14V	14	23.4	107.7	43.0	68.0	15.0
300	7371480	YAV300M16V	16	23.4	109.7	43.0	68.0	17.0
	7371485	YAV300M20V	20	23.4	111.3	43.0	68.0	21.0
	7371490	YAV400M14V	14	26.7	116.9	51.0	73.2	15.0
400	7371495	YAV400M16V	16	26.7	118.9	51.0	73.2	17.0
	7371500	YAV400M20V	20	26.7	120.5	51.0	73.2	21.0
	7371505	YAV500M16V	16	29.8	123.7	55.1	76.2	17.0
500	7371510	YAV500M20V	20	29.8	125.3	55.1	76.2	21.0
	7371515	YAV630M16V	16	33.3	128.1	61.8	81.0	17.0
630	7371520	YAV630M20V	20	33.3	129.7	61.8	81.0	21.0





# Industrial electrical connections

Non insulated long copper tubular splices from 10 to 630 mm<sup>2</sup>



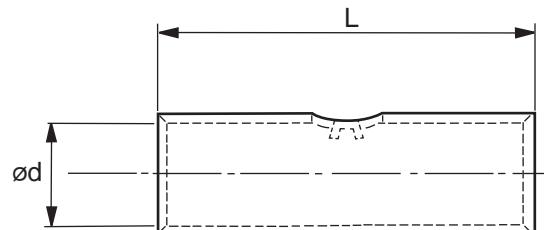
## General features

- Electrolytic copper
- Electrolytic tin plating process
- Funnel entry
- Performance
- Heat resistant up to +125 °C

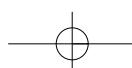
According to  
IEC-61238

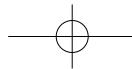
**YSV V series**

**Tooling** : see pages ???



Conductor size (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)	
			d	L
10	7435800	YSV10MV	4.6	45.0
16	7435805	YSV16V	5.7	48.0
25	7435810	YSV25V	7.2	53.0
35	7435815	YSV35V	8.5	57.0
50	7435820	YSV50V	9.5	66.0
70	7435825	YSV70V	11.3	66.0
95	7435830	YSV95V	13.4	74.0
120	7435835	YSV120V	15.0	82.0
150	7435840	YSV150V	16.5	86.0
185	7435845	YSV185V	18.4	100.0
240	7435850	YSV240V	21.2	108.0
300	7435855	YSV300V	23.4	124.0
400	7435860	YSV400V	26.7	124.0
500	7435865	YSV500V	29.8	130.0
630	7435870	YSV630V	33.3	145.0





# Industrial electrical connections

Copper tubular lugs from  
4 to 70 mm<sup>2</sup>  
IEC 61238-1



## General features

- Electrolytic tin-plating process.
- Other plating on request.
- Funnel entry.

Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

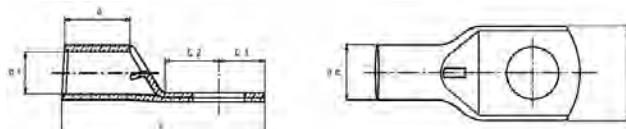
Note: for lugs bent at 45° or 90°, add the suffix 45E or 90E to the part number (example: CU50-12-90E).

Compliant with IEC 61238-1

CU series

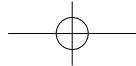


Tooling : see pages



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)							Type of dies
					W	Øi	Øe	C1	C2	a	L	
4 - 6	7 365 055	CU 6-3	100	3	9.4	3.3	5	6.5	7	9	26	..ECU 6
	7 365 065	CU 6-3,5	100	3.5	9.4	3.3	5	6.5	7	9	26	
	7 365 075	CU 6-4	100	4	9.4	3.3	5	6.5	7	9	26	
	7 365 090	CU 6-5	100	5	9.4	3.3	5	6.5	7	9	26	
	7 365 105	CU 6-6	100	6	11	3.3	5	6.5	7	9	26	
	7 365 120	CU 6-8	100	8	11	3.3	5	6.5	7	9	26	
	7 365 135	CU 6-10	100	10	16	3.3	5	10	11	9	33.5	
10	7 365 150	CU 10-4	100	4	11	4.6	6.8	4	4.3	9.5	23.5	..ECU 10
	7 365 165	CU 10-5	100	5	11	4.6	6.8	5	5.3	9.5	25.5	
	7 365 180	CU 10-6	100	6	11	4.6	6.8	6	6.3	9.5	27.5	
	7 365 195	CU 10-8	100	8	15	4.6	6.8	8	8.3	9.5	31.5	
	7 365 210	CU 10-10	100	10	15	4.6	6.8	10	10.3	9.5	35.5	
	7 365 225	CU 10-12	100	12	17	4.6	6.8	11.5	12.8	9.5	39.5	
16	7 365 250	CU 16-4	100	4	12	5.8	8	4	4.3	11	25.5	..ECU 16
	7 365 265	CU 16-5	100	5	12	5.8	8	5	5.3	11	27.5	
	7 365 280	CU 16-6	100	6	12	5.8	8	6	6.3	11	29.5	
	7 365 295	CU 16-8	100	8	16	5.8	8	8	8.3	11	33.5	
	7 365 310	CU 16-10	100	10	16	5.8	8	10	10.3	11	37.5	
	7 365 325	CU 16-12	100	12	17	5.8	8	9.2	13	13.5	41	
25	7 365 350	CU 25-4	50	4	14	7	9.5	4	4.3	11.5	27	..ECU 25
	7 365 365	CU 25-5	50	5	14	7	9.5	5	5.3	11.5	29	
	7 365 380	CU 25-6	50	6	14	7	9.5	6	6.3	11.5	31	
	7 365 395	CU 25-8	50	8	18	7	9.5	8	8.3	11.5	35	
	7 365 410	CU 25-10	50	10	18	7	9.5	10	10.3	11.5	39	
	7 365 425	CU 25-12	50	12	18	7	9.5	11.5	12.8	11.5	43	
35	7 365 440	CU 25-14	50	14	23	7	9.5	17	18.3	11.5	54	..ECU 35
	7 365 475	CU 35-5	50	5	17	8.9	11.8	5	5.3	14	33	
	7 365 490	CU 35-6	50	6	17	8.9	11.8	6	6.3	14	35	
	7 365 505	CU 35-8	50	8	17	8.9	11.8	8	8.3	14	39	
	7 365 520	CU 35-10	50	10	19	8.9	11.8	10	10.3	14	43	
	7 365 535	CU 35-12	50	12	19	8.9	11.8	11.5	12.8	14	47	
50	7 365 575	CU 50-6	50	6	19	10	13	6	6.3	17	39	..ECU 50
	7 365 590	CU 50-8	50	8	19	10	13	8	8.3	17	43	
	7 365 605	CU 50-10	50	10	19	10	13	10	10.3	17	47	
	7 365 620	CU 50-12	50	12	22	10	13	11.5	12.8	17	51	
	7 365 635	CU 50-14	50	14	22	10	13	14	14.3	17	55	
	7 365 650	CU 50-16	50	16	25	10	13	15	16.3	17	58	
70	7 365 675	CU 70-6	50	6	22	11.3	14.6	8	8.3	19	46	..ECU 70
	7 365 690	CU 70-8	50	8	22	11.3	14.6	8	8.3	19	46	
	7 365 705	CU 70-10	50	10	22	11.3	14.6	10	10.3	19	50	
	7 365 720	CU 70-12	50	12	22	11.3	14.6	11.5	12.8	19	54	
	7 365 735	CU 70-14	50	14	26	11.3	14.6	14	14.3	19	58	
	7 365 750	CU 70-16	50	16	26	11.3	14.6	15	16.3	19	61	





# Industrial electrical connections

Copper tubular lugs from  
95 to 400 mm<sup>2</sup>  
IEC 61238-1



## General features

- Electrolytic tin-plating process.
- Other plating on request.
- Funnel entry.

Note: the conductor sizes of the flexible cables mentioned in this table are given for information only, you should always check, considering the different compounds of these cables.

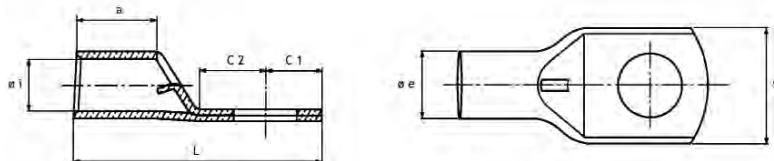
Note: for lugs bent at 45° or 90°, add the suffix 45E or 90E to the part number (example: CU50-12-90E).

Compliant with IEC 61238-1

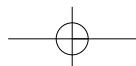
CU series

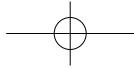


Tooling : see pages



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)							Type of dies	
					W	Øi	Øe	C1	C2	a	L		
95	70	7 365 800	CU 95-6	25	6	26	13.5	17.5	8	8.3	21	50	..ECU 95
		7 365 815	CU 95-8	25	8	26	13.5	17.5	8	8.3	21	50	
		7 365 830	CU 95-10	25	10	26	13.5	17.5	10	10.3	21	54	
		7 365 845	CU 95-12	25	12	26	13.5	17.5	11.5	12.8	21	58	
		7 365 860	CU 95-14	25	14	26	13.5	17.5	14	14.3	21	62	
		7 365 875	CU 95-16	25	16	30	13.5	17.5	15	16.3	21	65	
		7 365 890	CU 95-20	25	20	30	13.5	17.5	20	20.3	21	74	
120	95	7 365 925	CU 120-8	25	8	30	15.2	19.7	10	10.3	23	57	..ECU 120
		7 365 940	CU 120-10	25	10	30	15.2	19.7	10	10.3	23	57	
		7 365 955	CU 120-12	25	12	30	15.2	19.7	11.5	12.8	23	61	
		7 365 970	CU 120-14	25	14	30	15.2	19.7	14	14.3	23	65	
		7 365 985	CU 120-16	25	16	30	15.2	19.7	15	16.3	23	68	
		7 366 000	CU 120-20	25	20	32	15.2	19.7	20	20.3	23	77	
		7 366 050	CU 150-8	10	8	32	16.7	21.5	13	14.3	26	68	
150	120	7 366 065	CU 150-10	10	10	32	16.7	21.5	13	14.3	26	68	..ECU 150
		7 366 080	CU 150-12	10	12	32	16.7	21.5	14	15.3	26	70	
		7 366 095	CU 150-14	10	14	32	16.7	21.5	16	17.3	26	74	
		7 366 110	CU 150-16	10	16	32	16.7	21.5	17	18.3	26	76	
		7 366 125	CU 150-20	10	20	32	16.7	21.5	20	21.3	26	82	
		7 366 175	CU 185-8	10	8	36	19	24.5	13	14.3	28	76	
		7 366 190	CU 185-10	10	10	36	19	24.5	13	14.3	28	76	
185	150	7 366 205	CU 185-12	10	12	36	19	24.5	14	15.3	28	78	..ECU 185
		7 366 220	CU 185-14	10	14	36	19	24.5	16	17.3	28	82	
		7 366 235	CU 185-16	10	16	36	19	24.5	17	18.3	28	84	
		7 366 250	CU 185-20	10	20	36	19	24.5	20	21.3	28	90	
		7 366 300	CU 240-8	10	8	40	21	27.3	13	14.3	33	83	
		7 366 315	CU 240-10	10	10	40	21	27.3	13	14.3	33	83	
		7 366 330	CU 240-12	10	12	40	21	27.3	14	15.3	33	85	
240	185	7 366 345	CU 240-14	10	14	40	21	27.3	16	17.3	33	89	..ECU 240
		7 366 360	CU 240-16	10	16	40	21	27.3	17	18.3	33	91	
		7 366 375	CU 240-20	10	20	40	21	27.3	20	21.3	33	97	
		7 366 455	CU 300-12	5	12	44	23.7	30.7	14	20	40	99	
		7 366 470	CU 300-14	5	14	44	23.7	30.7	18	20	40	103	
		7 366 485	CU 300-16	5	16	44	23.7	30.7	19	21	40	105	
		7 366 500	CU 300-20	5	20	44	23.7	30.7	22	24	40	111	
400	300	7 366 580	CU 400-12	5	12	51	27	35	18	20	42	110	..ECU 400
		7 366 595	CU 400-14	5	14	51	27	35	18	20	42	110	
		7 366 610	CU 400-16	5	16	51	27	35	19	21	42	112	
		7 366 625	CU 400-20	5	20	51	27	35	22	24	42	118	





# Industrial electrical connections

Copper butt connectors  
IEC 61238-1



## General features

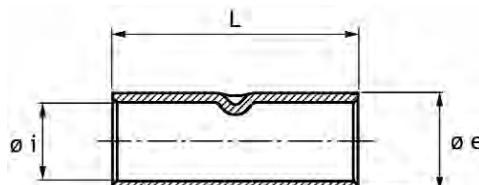
- Electrolytic tin-plating process.
- Other plating on request.
- Funnel entry.

Compliant with **IEC 61238-1**

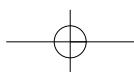
**CUM** series

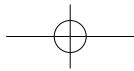


**Tooling** : see pages 1



Conductor size (mm <sup>2</sup> ) Rigid      Flexible	Item code	Part number	Packing	Dimensions (mm)			Type of dies
				Øi	Øe	L	
4 - 6	7 434 891	CUM 6	100	3.6	5.2	22	..ECU 6
10	7 434 901	CUM 10	100	4.6	6.8	25	..ECU 10
16	7 434 911	CUM 16	100	5.8	8	27	..ECU 16
25	7 434 921	CUM 25	50	7	9.5	29	..ECU 25
35	25	CUM 35	50	8.9	11.8	33	..ECU 35
50	35	CUM 50	50	10	13	37	..ECU 50
70	50	CUM 70	50	11.3	14.6	39	..ECU 70
95	70	CUM 95	25	13.5	17.5	43	..ECU 95
120	95	CUM 120	25	15.2	19.7	47	..ECU 120
150	120	CUM 150	10	16.7	21.5	58	..ECU 150
185	150	CUM 185	10	19	24.5	64	..ECU 185
240	185	CUM 240	10	21	27.3	75	..ECU 240
300	240	CUM 300	10	23.7	30.7	90	..ECU 300
400	300	CUM 400	5	27	35	94	..ECU 400





# Industrial electrical connections

Preinsulated tubular terminals  
from 0.3 to 120 mm<sup>2</sup>



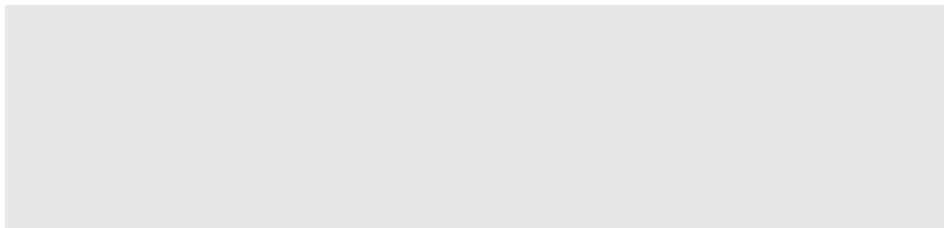
## General features

- Electrolytic Cu tube, electro tinned Polyamide insulation with colour code
- Heat resistant up to +105°C

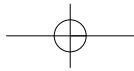
**YAEV line**

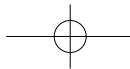


**Tooling** : see pages ???



Section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)					
			Ø d	D	W	C1	C2	L
50	7392165	YAEV50M5	5.3	13.2	18.2	7.0	6.4	46.9
	7392170	YAEV50M6	6.4			7.5	7.4	48.4
	7392175	YAEV50M8	8.4			9.0	9.4	51.9
	7392180	YAEV50M10	10.5			10.0	11.4	54.9
	7392185	YAEV50M12	13.2		19.8	12.0	14.4	59.9
70	7392190	YAEV70M5	5.3	14.5	21.4	7.0	6.4	50.4
	7392195	YAEV70M6	6.4			7.5	7.4	51.9
	7392200	YAEV70M8	8.4			9.0	9.4	55.4
	7392205	YAEV70M10	10.5			10.0	11.4	58.4
	7392210	YAEV70M12	13.2		22.4	12.0	14.4	63.4
	7392215	YAEV70M14	15.0			14.0		65.4
70F	7392220	YAEV70FM6	6.4	16.2	23.8	7.5	7.4	57.9
	7392225	YAEV70FM8	8.4			9.0	9.4	61.4
	7392230	YAEV70FM10	10.5			12.0	11.4	66.4
	7392235	YAEV70FM12	13.2			14.0	14.4	69.4
	7392240	YAEV70FM14	15.0		25.0	14.0	17.4	71.4
	7392245	YAEV95M8	8.4			9.5		64.4
95	7392250	YAEV95M10	10.5	17.85	25.0	11.0	11.4	67.9
	7392255	YAEV95M12	13.2			12.0	14.4	71.9
	7392260	YAEV95M14	15.0			14.0	17.4	73.4
	7392265	YAEV95M16	17.0			17.4		76.4
	7392270	YAEV120M8	8.4	19.75	29.0	9.5	9.4	68.9
120	7392275	YAEV120M10	10.5			11.0	11.4	72.4
	7392280	YAEV120M12	13.2			12.0	14.4	76.4
	7392285	YAEV120M14	15.0			14.0	17.4	78.4
	7392290	YAEV120M16	17.0			17.4		81.4
	7392295	YAEV120M20	21.0		31.7	16.0	23.4	89.4





# Industrial electrical connections



Preinsulated copper tubular lugs  
for flexible cables

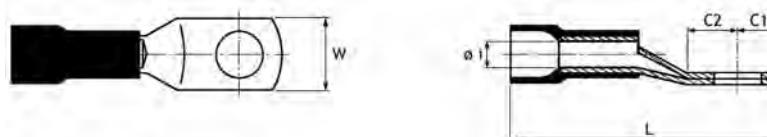


## General features

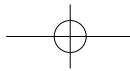
- Material: tin-plated copper.
- Insulation sleeve: nylon.



**Tooling** : see pages 148-153



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Insulation max Ø (mm)	Hole Ø (mm)	Dimensions (mm)					Tooling
						W	L	Øi	C1	C2	
10	7 391 010	PR10-4CU	100	8	4	11	34.5	4.6	5.3	3.8	MY70ME
	7 391 020	PR10-5CU	100		5	11	36.5		6.3	4.8	
	7 391 030	PR10-6CU	100		6	11	38.5		7.3	5.8	
	7 391 040	PR10-8CU	100		8	15	42.5		9.3	7.8	
	7 391 050	PR10-10CU	100		10	15	46.5		11.3	9.8	
16	7 391 100	PR16-4CU	100	9.4	4	12	38	5.8	5.3	3.8	MY28E
	7 391 110	PR16-5CU	100		5	12	40		6.3	4.8	
	7 391 120	PR16-6CU	100		6	12	42		7.3	5.8	
	7 391 130	PR16-8CU	100		8	16	46		9.3	7.8	
	7 391 140	PR16-10CU	100		10	16	50		11.3	9.8	
	7 391 150	PR16-12CU	100		12	17	53.5		14.3	8.9	
25	7 391 160	PR25-4CU	100	11.5	4	14	41.5	7	5.3	3.8	MY70ME
	7 391 170	PR25-5CU	100		5	14	43.5		6.3	4.8	
	7 391 180	PR25-6CU	100		6	14	45.5		7.3	5.8	
	7 391 190	PR25-8CU	100		8	18	49.5		9.3	7.8	
	7 391 200	PR25-10CU	100		10	18	53.5		11.3	9.8	
	7 391 210	PR25-12CU	100		12	18	57.5		13.8	11.3	
	7 391 220	PR25-14CU	100		14	23	68.5		19.3	16.8	
35	7 391 230	PR35-5CU	50	14	5	17	48.5	8.9	6.3	4.8	MY28E
	7 391 240	PR35-6CU	50		6	17	50.5		7.3	5.8	
	7 391 250	PR35-8CU	50		8	17	54.5		9.3	7.8	
	7 391 260	PR35-10CU	50		10	19	58.5		11.3	9.8	
	7 391 270	PR35-12CU	50		12	19	62.5		13.8	11.3	
	7 391 280	PR35-14CU	50		14	23	66.5		15.3	13.8	
50	7 391 290	PR50-6CU	50	15.5	6	19	57	10	7.3	5.8	MY70ME
	7 391 300	PR50-8CU	50		8	19	61		9.3	7.8	
	7 391 310	PR50-10CU	50		10	19	65		11.3	9.8	
	7 391 320	PR50-12CU	50		12	22	69		13.8	11.3	
	7 391 330	PR50-14CU	50		14	22	73		15.3	13.8	
	7 391 340	PR50-16CU	50		16	25	76		17.3	14.8	
70	7 391 350	PR70-6CU	25	18	6	22	67	11.3	9.3	7.8	MY28E
	7 391 360	PR70-8CU	25		8	22	67		9.3	7.8	
	7 391 370	PR70-10CU	25		10	22	71		11.3	9.8	
	7 391 380	PR70-12CU	25		12	22	75		13.8	11.3	
	7 391 390	PR70-14CU	25		14	26	79		15.3	13.8	
	7 391 400	PR70-16CU	25		16	26	82		17.3	14.8	
95	7 391 410	PR95-6CU	25	20	6	26	71.5	13.5	9.3	7.8	MY70ME
	7 391 420	PR95-8CU	25		8	26	71.5		9.3	7.8	
	7 391 430	PR95-10CU	25		10	26	75.5		11.3	9.8	
	7 391 440	PR95-12CU	25		12	26	79.5		13.8	11.3	
	7 391 450	PR95-14CU	25		14	26	83.5		15.3	13.8	
	7 391 460	PR95-16CU	25		16	30	86.5		17.3	14.8	
	7 391 470	PR95-18CU	25		18	30	95.5		21.3	19.8	
	7 391 480	PR95-20CU	25		20	30	95.5		21.3	19.8	
120	7 390 525	PR120-8F	20	23	8	31	95	17	14	14	
	7 390 526	PR120-10F	20		10	31	95		14	14	
	7 390 527	PR120-12F	20		12	31	98		16	14	
	7 390 528	PR120-14F	20		14	31	98		16	15	
	7 390 529	PR120-16F	20		16	31	98		16	15	



# Industrial electrical connections

Preinsulated tubular terminals  
from 0.3 to 120 mm<sup>2</sup>



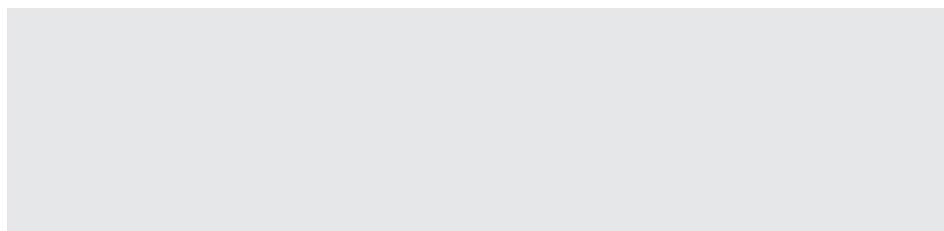
## General features

- Electrolytic Cu tube, electro tinned Polyamide insulation with colour code
- Heat resistant up to +105°C

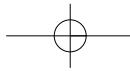
### YAEV line

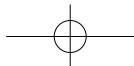


Tooling : see pages ???



Section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)						
			Ø d	D	W	C1	C2	L	
0.3 - 1.2	7392000	YAEV18	5.3	4.0	3.2	8.0	5.3	6.7	25.0
	7392005	YAEV025M35	3.7		6.4	3.1	4.6	22.7	
	7392010	YAEV025M4	4.3		8.0	3.8	6.1		24.7
	7392015	YAEV025M5	5.3		10.7				
	7392020	YAEV025M6	6.4		11.2	6.1	8.1		27.7
	7392025	YAEV14T3	8.4						29.0
1.5 - 2.5	7392030	YAEV06M35	3.7	6.0	7.0	3.3	4.65		28.3
	7392035	YAEV06M4	4.3		8.0	4.3	6.15		30.8
	7392040	YAEV06M5	5.3		10.0	5.3	6.65		32.3
	7392045	YAEV06M6	6.4		11.0	5.8	7.65		33.8
	7392050	YAEV06M8	8.4		13.0	7.8	10.15		38.3
	7392055	YAEV10T4	10.5		14.0	7.1	8.9		33.5
4 - 6	7392060	YAEV10M4	4.3	6.7	10.3	5.0	5.4		28.4
	7392065	YAEV10M5	5.3		11.1	5.5	6.4		29.9
	7392070	YAEV10M6	6.4		14.3	6.0	7.4		31.4
	7392075	YAEV10M8	8.4		18.5	8.0	9.4		35.4
	7392080	YAEV10M10	10.5			10.0	11.4		39.4
	7392085	YAEV10M12	13.2			12.0	14.4		44.4
10	7392090	YAEV16M5	5.3	8.0	12.7	5.5	6.4		35.4
	7392095	YAEV16M6	6.4		15.0	6.0	7.4		36.9
	7392100	YAEV16M8	8.4		18.5	8.0	9.4		40.9
	7392105	YAEV16M10	10.5			10.0	11.4		44.9
	7392110	YAEV16M12	13.2			12.0	14.4		49.9
	7392115	YAEV25M5	5.3		13.9	6.0	6.4		38.2
16	7392120	YAEV25M6	6.4	9.65	15.9	6.5	7.4		39.7
	7392125	YAEV25M8	8.4		18.5	8.0	9.4		43.2
	7392130	YAEV25M10	10.5			10.0	11.4		47.2
	7392135	YAEV25M12	13.2			12.0	14.4		52.2
	7392140	YAEV35M5	5.3		15.9	6.5	6.4		44.9
25	7392145	YAEV35M6	6.4	11.8	18.5	7.0	7.4		46.4
	7392150	YAEV35M8	8.4			8.0	9.4		49.4
	7392155	YAEV35M10	10.5			10.0	11.4		53.4
	7392160	YAEV35M12	13.2			12.0	14.4		58.4





# Industrial electrical connections

Non-insulated copper  
brazed terminals 0.5 - 240 mm<sup>2</sup>



Compliant with  
**DIN 46234**

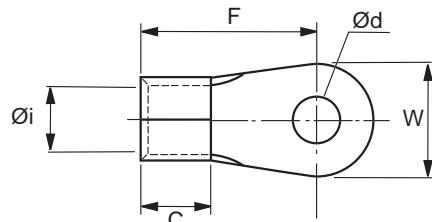
## General features

- Range of copper sheet, brazed terminals taking wires from 0.5 to 240 mm<sup>2</sup>
- Electrolytic copper sheet, electro tinned
- Heat resistant up to +125°C

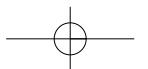
**BY line**

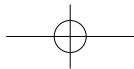


**Tooling** : see pages ???



Section (mm <sup>2</sup> )	Stud size	Item code	Part number	Dimensions (mm)				
				Ø d	W	F	C	Ø i
0.5 - 1.5	2.5	7385365	BY1M27D	2.7	6.0	10.8	4.8	1.6
	3.0	7385300	BY1M32D	3.2	6.0	10.8	4.8	1.6
	3.5	7385301	BY1M37D	3.7	6.0	10.8	4.8	1.6
	4.0	7385302	BY1M43D	4.3	8.0	11.8	4.8	1.6
	5.0	7385303	BY1M53D	5.3	10.0	12.8	4.8	1.6
	6.0	7385304	BY1M65D	6.5	11.0	14.8	4.8	1.6
>1.5 - 2.5	3.0	7385306	BY25M32D	3.2	6.0	10.8	4.8	2.3
	3.5	7385307	BY25M37D	3.7	6.0	10.8	4.8	2.3
	4.0	7385308	BY25M43D	4.3	8.0	11.8	4.8	2.3
	5.0	7385309	BY25M53D	5.3	10.0	13.8	4.8	2.3
	6.0	7385310	BY25M65D	6.5	11.0	15.8	4.8	2.3
	8.0	7385311	BY25M84D	8.4	14.0	16.8	4.8	2.3
>4 - 6	4.0	7385313	BY6M43D	4.3	8.0	14.0	6.0	3.6
	5.0	7385314	BY6M53D	5.3	10.0	15.0	6.0	3.6
	6.0	7385315	BY6M65D	6.5	11.0	16.0	6.0	3.6
	8.0	7385316	BY6M84D	8.4	14.0	19.0	6.0	3.6
	10.0	7385317	BY6M105D	10.5	18.0	21.0	6.0	3.6
>6 - 10	4.0	7385366	BY4-10*	4.3	10.0	16.0	8.0	4.5
	5.0	7385318	BY5-10	5.3	10.0	16.0	8.0	4.5
	6.0	7385319	BY6-10	6.5	11.0	17.0	8.0	4.5
	8.0	7385320	BY8-10	8.4	14.0	20.0	8.0	4.5
	10.0	7385321	BY10-10	10.4	18.0	21.0	8.0	4.5
	12.0	7385322	BY12-10	13.0	22.0	23.0	8.0	4.5
>10 - 16	5.0	7385323	BY5-16	5.3	11.0	20.0	10.0	5.8
	6.0	7385324	BY6-16	6.5	11.0	20.0	10.0	5.8
	8.0	7385325	BY8-16	8.4	14.0	22.0	10.0	5.8
	10.0	7385326	BY10-16	10.5	18.0	24.0	10.0	5.8
	12.0	7385327	BY12-16	13.0	22.0	26.0	10.0	5.8
>16 - 25	5.0	7385364	BY5-25	5.3	12.0	25.0	11.0	7.5
	6.0	7385328	BY6-25	6.5	12.0	25.0	11.0	7.5
	8.0	7385329	BY8-25	8.4	16.0	25.0	11.0	7.5
	10.0	7385330	BY10-25	10.5	18.0	26.0	11.0	7.5
	12.0	7385331	BY12-25	13.0	22.0	31.0	11.0	7.5
	14.0	7385367	BY14-25*	15.0	22.0	31.0	11.0	7.5
	16.0	7385368	BY16-25	17.0	28.0	35.0	11.0	7.5
>25 - 35	6.0	7385332	BY6-35	6.5	15.0	26.0	12.0	9.0
	8.0	7385333	BY8-35	8.4	16.0	26.0	12.0	9.0
	10.0	7385334	BY10-35	10.5	18.0	27.0	12.0	9.0
	12.0	7385335	BY12-35	13.0	22.0	31.0	12.0	9.0
	14.0	7385369	BY14-35*	15.0	22.0	31.0	12.0	9.0
	16.0	7385336	BY16-35	17.0	28.0	35.0	12.0	9.0





# Industrial electrical connections

Non-insulated copper  
brazed terminals 0.5 - 240 mm<sup>2</sup>



## General features

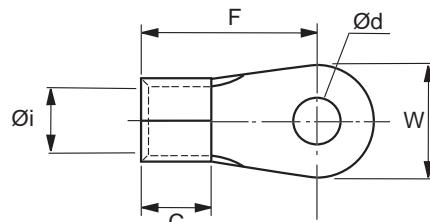
- Range of copper sheet, brazed terminals taking wires from 0.5 to 240 mm<sup>2</sup>
- Electrolytic copper sheet, electro tinned
- Heat resistant up to +125°C

Compliant with  
**DIN 46234**

**BY line**

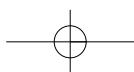


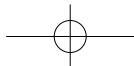
**Tooling** : see pages ???



Section (mm <sup>2</sup> )	Stud size	Item code	Part number	Dimensions (mm)				
				Ø d	W	F	C	Ø i
>35 - 50	6.0	7385337	BY6-50	6.5	18.0	34.0	16.0	11.0
	8.0	7385338	BY8-50	8.4	18.0	34.0	16.0	11.0
	10.0	7385339	BY10-50	10.5	18.0	34.0	16.0	11.0
	12.0	7385340	BY12-50	13.0	22.0	36.0	16.0	11.0
	14.0	7385370	BY14-50*	15.0	22.0	36.0	16.0	11.0
	16.0	7385341	BY16-50	17.0	22.0	40.0	16.0	11.0
>50 - 70	8.0	7385343	BY8-70	8.4	22.0	38.0	18.0	13.0
	10.0	7385344	BY10-70	10.5	22.0	38.0	18.0	13.0
	12.0	7385345	BY12-70	13.0	22.0	38.0	18.0	13.0
	14.0	7385371	BY14-70*	15.0	22.0	38.0	18.0	13.0
	16.0	7385346	BY16-70	17.0	28.0	42.0	18.0	13.0
>70 - 95	10.0	7385348	BY10-95	10.5	24.0	42.0	20.0	15.0
	12.0	7385349	BY12-95	13.0	24.0	42.0	20.0	15.0
	14.0	7385372	BY14-95*	15.0	24.0	42.0	20.0	15.0
	16.0	7385350	BY16-95	17.0	28.0	44.0	20.0	15.0
>95 - 120	10.0	7385352	BY10-120	10.5	24.0	44.0	22.0	16.5
	12.0	7385353	BY12-120	13.0	24.0	44.0	22.0	16.5
	14.0	7385373	BY14-120*	15.0	24.0	44.0	22.0	16.5
	16.0	7385354	BY16-120	17.0	28.0	48.0	22.0	16.5
>120 - 150	10.0	7385355	BY10-150	10.5	30.0	50.0	24.0	19.0
	12.0	7385356	BY12-150	13.0	30.0	50.0	24.0	19.0
	14.0	7385374	BY14-150*	15.0	30.0	50.0	24.0	19.0
	16.0	7385357	BY16-150	17.0	30.0	50.0	24.0	19.0
>150 - 185	12.0	7385359	BY12-185	13.0	36.0	50.0	28.0	21.0
	14.0	7385375	BY14-185*	15.0	36.0	50.0	28.0	21.0
	16.0	7385360	BY16-185	17.0	36.0	50.0	28.0	21.0
>185 - 240	12.0	7385362	BY12-240	13.0	38.0	56.0	32.0	23.5
	14.0	7385376	BY14-240*	15.0	38.0	56.0	32.0	23.5
	16.0	7385363	BY16-240	17.0	38.0	56.0	32.0	23.5
>240 - 300	12.0		BY12-300	28.0	80.5	50.5	35.5	13.0
	16.0		BY16-300	28.0	80.5	50.5	35.5	13.0

\* Not included in DIN 46234.





# Industrial electrical connections

Non-insulated copper  
brazed forks 0.5 - 25 mm<sup>2</sup>



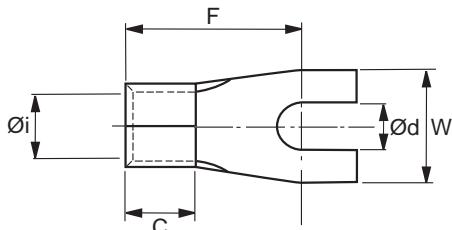
## General features

- Range of copper sheet, brazed terminals taking wires from 0.5 to 25 mm<sup>2</sup>
- Electrolytic copper sheet, electro tinned
- Heat resistant up to +125°C

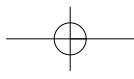
Compliant with  
**DIN 46234**

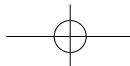
## BY line

**Tooling** : see pages ???



Section (mm <sup>2</sup> )	Stud size	Item code	Part number	Dimensions (mm)				
				Ø i	F	W	C	Ø d
0.5 - 1.5	2.5	7385400	BY1FM27D	2.7	6.0	10.8	4.8	1.6
	3.0	7385401	BY1FM32D	3.2	6.0	10.8	4.8	1.6
	3.5	7385402	BY1FM37D	3.7	6.0	10.8	4.8	1.6
	4.0	7385403	BY1FM43D	4.3	8.0	11.8	4.8	1.6
	5.0	7385404	BY1FM53D	5.3	10.0	12.8	4.8	1.6
	6.0	7385405	BY1FM65D	6.5	11.0	14.8	4.8	1.6
1.5 - 2.5	3.0	7385406	BY25FM32D	3.2	6.0	10.8	4.8	2.3
	3.5	7385407	BY25FM37D	3.7	6.0	10.8	4.8	2.3
	4.0	7385408	BY25FM43D	4.3	8.0	11.8	4.8	2.3
	5.0	7385409	BY25FM53D	5.3	10.0	13.8	4.8	2.3
	6.0	7385410	BY25FM65D	6.5	11.0	15.8	4.8	2.3
	8.0	7385411	BY25FM84D	8.4	14.0	16.8	4.8	2.3
4.0 - 6.0	4.0	7385412	BY6FM43D	4.3	8.0	14.0	6.0	3.6
	5.0	7385413	BY6FM53D	5.3	10.0	15.0	6.0	3.6
	6.0	7385414	BY6FM65D	6.5	11.0	16.0	6.0	3.6
	8.0	7385415	BY6FM84D	8.4	14.0	19.0	6.0	3.6
6.0 - 10.0		7385416	BY610F	6.5	11.0	17.0	8.0	4.5
10.0 - 16.0	6.0	7385417	BY616F	6.5	11.0	20.0	10.0	5.8
16.0 - 25.0		7385418	BY625F	6.5	12.0	25.0	11.0	7.5





# Industrial electrical connections

Non-insulated silver brazed terminals



Compliant with  
UL-CSA

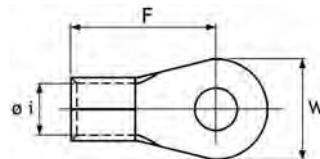
## General features

- Material: tin-plated electrolytic copper.

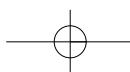
**MB series**

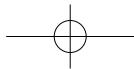


Tooling : see pages



Conductor size (mm <sup>2</sup> ) Rigid      Flexible	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)			Type of dies
					W	F	Øi	
0.25 - 1.5	7 380 000	MB 1,5-3	100	3	5.5	9.8	1.7	Tool MB 524
		MB 1,5-3,5	100	3.5	6.6	11.1	1.7	
	7 380 001	MB 1,5-4	100	4	8	11.8	1.7	
	7 380 002	MB 1,5-5	100	5	8	11.8	1.7	
	7 380 003	MB 1,5-6	100	6	11.6	15.8	1.7	
	7 380 004	MB 1,5-8	100	8	11.6	15.8	1.7	
1.0 - 2.5	7 380 005	MB 2,5-3	100	3	6.6	9.6	2.3	Tool MB 524
		MB 2,5-3,5	100	3.5	6.6	9.6	2.3	
	7 380 006	MB 2,5-4	100	4	8.5	12.6	2.3	
	7 380 021	MB 2,5-5 S	100	5	8.5	12.6	2.3	
	7 380 007	MB 2,5-5	100	5	9.5	12.1	2.3	
	7 380 008	MB 2,5-6	100	6	12	15.8	2.3	
	7 380 009	MB 2,5-8	100	8	12	15.8	2.3	
4 - 6	7 380 028	MB 6-3,5	100	3.5	7.2	12.1	3.4	..MUJ 6-8
	7 380 014	MB 6-4	100	4	9.5	15.1	3.4	
	7 380 015	MB 6-5	100	5	9.5	15.1	3.4	
	7 380 016	MB 6-6	100	6	12	19	3.4	
	7 380 017	MB 6-8	100	8	15	19.5	3.4	
	7 380 018	MB 6-10	100	10	15	19.5	3.4	
6 - 10	7 380 012	MB 8-4	100	4	12	17.8	4.5	..MUJ 6-8.
	7 380 011	MB 8-5	100	5	12	17.8	4.5	
	7 380 010	MB 8-6	100	6	12	17.8	4.5	
	7 380 020	MB 8-8	100	8	15	22.3	4.5	
	7 380 030	MB 8-10	100	10	15	22.3	4.5	
	7 380 035	MB 8-12	100	12	20	23.5	4.5	
10 - 16	7 380 041	MB 14-5	100	5	12	23.8	5.8	..MUJ 14..
	7 380 040	MB 14-6	100	6	12	23.8	5.8	
	7 380 050	MB 14-8	100	8	16	24.7	5.8	
	7 380 060	MB 14-10	100	10	16	24.7	5.8	
	7 380 070	MB 14-12	100	12	22	30.3	5.8	
25 - 35      16 - 26	7 380 080	MB 22-6	50	6	16.5	25.5	7.7	..MUJ 22..
	7 380 090	MB 22-8	50	8	16.5	25.5	7.7	
	7 380 100	MB 22-10	50	10	16.5	25.5	7.7	
	7 380 110	MB 22-12	50	12	22	31.7	7.7	
50      26 - 42	7 380 131	MB 38-6	50	6	15.3	31.4	9.4	..MUJ 38..
	7 380 130	MB 38-8 S	50	8	15.3	31.4	9.4	
	7 380 125	MB 38-8	50	8	22	31.7	9.4	
	7 380 140	MB 38-10 S	50	10	15.3	31.4	9.4	
	7 380 148	MB 38-10	50	10	22	31.7	9.4	
	7 380 150	MB 38-12	50	12	22	31.7	9.4	
70      42 - 60	7 380 169	MB 60-6	50	6	22	38.7	11.4	..MUJ 60..
	7 380 170	MB 60-8	50	8	22	38.7	11.4	
	7 380 180	MB 60-10	50	10	22	38.7	11.4	
	7 380 190	MB 60-12	50	12	22	38.7	11.4	
	7 380 200	MB 60-14	50	14	32	41.5	11.4	
	7 380 201	MB 60-16	50	16	32	41.5	11.4	





# Industrial electrical connections

Non-insulated silver brazed terminals



## General features

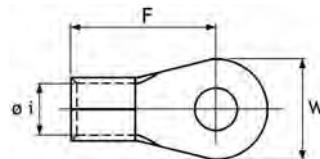
- Material: tin-plated electrolytic copper.

**MB series**

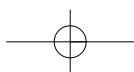
Compliant with  
**UL-CSA**

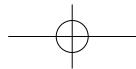


**Tooling** : see pages



Conductor size (mm <sup>2</sup> ) Rigid      Flexible	Item code	Part number	Packing	Hole Ø (mm)	Dimensions (mm)			Type of dies 
					W	F	Øi	
95      60 - 78	7 380 210	MB 70-8	50	8	24	38	13.3	..MUJ 70..
	7 380 220	MB 70-10	50	10	24	38	13.3	
	7 380 230	MB 70-12	50	12	24	38	13.3	
	7 380 240	MB 70-14	50	14	32	44	13.3	
	7 380 241	MB 70-16	50	16	32	44	13.3	
120      78 - 96	7 380 250	MB 80-8	25	8	27	40.7	14.5	..MUJ 80..
	7 380 260	MB 80-10	25	10	27	40.7	14.5	
	7 380 270	MB 80-12	25	12	27	40.7	14.5	
	7 380 280	MB 80-14	25	14	32	52	14.5	
	7 380 285	MB 80-16	25	16	32	52	14.5	
150      96 - 120	7 380 290	MB 100-10	25	10	28.5	41.4	16.4	..MUJ 100..
	7 380 300	MB 100-12	25	12	28.5	41.4	16.4	
	7 380 310	MB 100-14	25	14	32	52	16.4	
	7 380 320	MB 100-16	25	16	32	52	16.4	
	7 380 325	MB 100-18	25	18	32	52	16.4	
	7 380 330	MB 100-20	25	20	32	52	16.4	
185      117 - 150	7 380 340	MB 150-10	10	10	36	50	19.5	..MUJ 150
	7 380 350	MB 150-12	10	12	36	50	19.5	
	7 380 360	MB 150-14	10	14	36	50	19.5	
	7 380 370	MB 150-16	10	16	36	50	19.5	
	7 380 375	MB 150-18	10	18	36	63	19.5	
	7 380 380	MB 150-20	10	20	36	63	19.5	





# Industrial electrical connections

Non-insulated copper brazed wire pins  
0.5 - 95 mm<sup>2</sup>



## General features

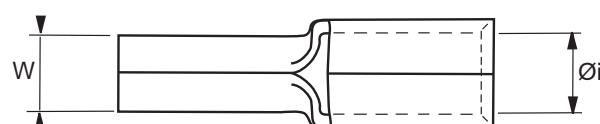
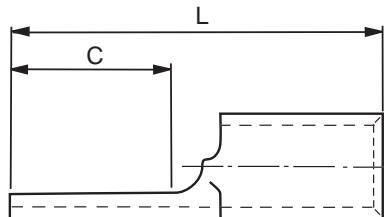
- Range of copper brazed wire pins taking wires from 0.5 to 95 mm<sup>2</sup>
- Electrolytic copper brazed sheet, electro tinned
- Heat resistant up to +125°C

Compliant with  
**DIN 46230**

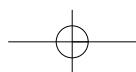
**BYW-D line**

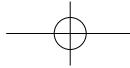


**Tooling** : see pages ???



Section (mm <sup>2</sup> )	Item code	Part number	Dimensions (mm)			
			Ø i	W	L	C
> 0.5 - 1.5	7380415	BY1W13D	1.6	1.9	18.3	6
>1 - 2.5	7380421	BY25W13D	2.3	1.9	18.3	8
>4 - 6	7380422	BY6W13D	3.6	2.7	19.5	8
>6 - 10	7380450	BY10W13D	4.7	4.3	22	12
>10 - 16	7380451	BY16W17D	5.8	5.5	26	13
>16 - 25	7380452	BY25W17D	7	6.8	33.5	15
>25 - 35	7380453	BY35W23D	8.8	8	40.5	20
>35 - 50	7380454	BY50W23D	10	9.5	45	20
>50 - 70	7380455	BY70W26D	11.8	11	55	23
>70 - 95	7380427	BY95W26D	13.9	12.5	55	23





# Industrial electrical connections

## Insulated brazed pins

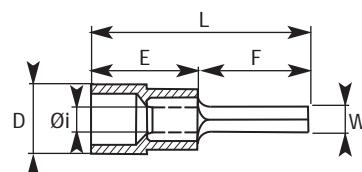


Compliant with IEC 352-2

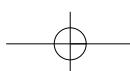
EPR series

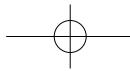
[Tooling](#) : see pages

## Insulated brazed pins



Conductor size (mm <sup>2</sup> )	Packing 100 pieces / box		Dimensions (mm)					
	Item code	Part number	W	F	L	E	Øi	D
10	7 380 407	EPR10-12	4.3	12	34	20	4.5	7.8
16	7 380 408	EPR16-13	5.5	13	40.7	24.7	5.8	10.8
25	7 380 409	EPR25-15	6.8	15	44	24	7	12.4
35	7 380 411	EPR35-20	8	20	52.5	28	8.4	14
50	7 380 412	EPR50-20	9.5	20	59	33	9.6	15.5





# Industrial electrical connections



Aluminium-copper lugs,  
hexagonal compression type



## General features

Application on industrial networks.

- Friction welded aluminium-copper lugs.
- Aluminium barrel is covered inside with contact grease.
- Crimping by hexagonal compression.

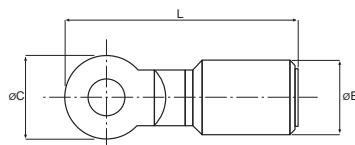
Compliant with **NF C 63-061-Class B**

**ICAU and ICAUC series**



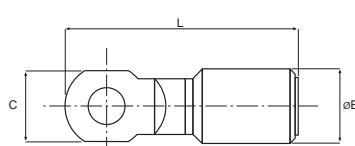
**Tooling** : see pages

## ICAU serie standard tongue terminals

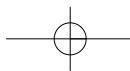


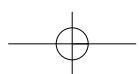
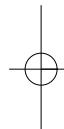
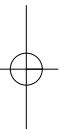
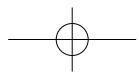
Aluminium conductor size (mm <sup>2</sup> )	Packing / 3 pieces		Dimensions (mm)						Type of dies
	Item code	Part number	ØA	ØE	ØC	ØB	L	P	
35	7 585 011	ICAU 35	8	16	16.5	8.4	56	4.5	..E 140
50	7 585 021	ICAU 50	9	16	16.5	8.4	56	4.5	..E 140
70	7 585 031	ICAU 70	11	20	20	10.5	65.5	5	..E 173
95	7 585 041	ICAU 95	12.5	20	20	10.5	65.5	5	..E 173
120	7 585 051	ICAU 120	13.7	20	20	10.5	65.5	5	..E 173
150	7 585 062	ICAU 150	15.5	27	30	12.8	84	6	..E 235
185	7 585 072	ICAU 185	17	27	30	12.8	84	6	..E 235
240	7 585 082	ICAU 240	19.5	27	30	12.8	84	6	..E 235
300	7 585 092	ICAU 300	23.3	32	36	14.6	98	7	..X 260

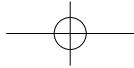
## ICAUC serie Narrow tongue terminals



Aluminium conductor size (mm <sup>2</sup> )	Packing / 3 pieces		Dimensions (mm)						Type of dies
	Item code	Part number	ØA	ØE	ØC	ØB	L	P	
150	7586050	ICAUC150M10	15.5	27	25	10.5	83	6	..E 235
	7586051	ICAUC150M12				12.8			
185	7586060	ICAUC185M10	17	27	25	10.5	83	6	..E 235
	7586061	ICAUC185M12				12.8			
240	7586070	ICAUC240M10	19.5	27	30	10.5	85	7	..E 235
	7586071	ICAUC240M12				12.8			
300	7586080	ICAUC300M10	23.3	32	30	10.5	93	7	..X 260
	7586081	ICAUC300M14				14.5			







# Point of sale display stand



Preinsulated terminals

Preinsulated disconnects  
and tabs

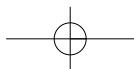
End splices

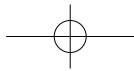
Tubular lugs

Tooling

Cable ties

Available  
at your distributor





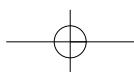
# Industrial electrical connections

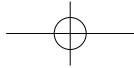
## Preinsulated terminals in plastic boxes



Preinsulated terminals in N series with ring, square, fork and locking palm preinsulated pin and blade terminals, preinsulated butt splices, preinsulated brass female disconnects, fully preinsulated, preinsulated male and female cylindrical plugs, self-stripping quick connectors, preinsulated, preinsulated chain, preinsulated "twin" or non insulated end sleeves are available in strip and packed in plastic boxes of 100 pieces.

Description	For item code, part number, technical features, see page:	
Preinsulated ring terminals <i>N normal series</i>	24	
Preinsulated square terminals <i>N normal series</i>	28	
Preinsulated fork terminals <i>N normal series</i>	26	
Preinsulated locking ring terminals <i>N normal series</i>	30	
Preinsulated pin and blade terminals <i>N normal series</i>	31	
Preinsulated butt splices	39	
Preinsulated female brass disconnects <i>S double crimp series</i>	32	
Fully preinsulated female disconnects <i>S double crimp series</i>	33	
Preinsulated male and female cylindrical plugs and pins	38	
Self-stripping quick connectors	39	
Preinsulated end sleeves	55	
Preinsulated end sleeve strips	57	
Preinsulated « Twin » end sleeves	56	
Non insulated end sleeves	54	





# Industrial electrical connections

Preinsulated terminals  
in blister packs



## Terminals in blister packs

Terminals in blister packs packed in boxes of 10 blister packs

Item code	Part number	Quantity	Part number to be ordered
7 304 013	NA 2-5	8	BL8 NA2-5
7 300 492	NA 2-6	7	BL7 NA2-6
7 304 022	NRGFA2-4	8	BL8 NRGFA2-4
7 301 141	SQMA-6,35	5	BL5 SQMA-6,35
7 301 552	SQA-6,35	5	BL5 SQA-6,35
7 304 071	SQAP-6,35	4	BL4 SQAP-6,35
7 301 582	SFMA 4	4	BL4 SFMA-4
7 301 602	SFFA 4	4	BL4 SFFA-4
7 302 182	NPMJ-1	4	BL4 NPMJ-1
7 304 081	NPRA-1,6	6	BL6 NPRA-1,6
7 304 121	CR110	3	BL3 CR 110



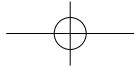
Item code	Part number	Quantity	Part number to be ordered
7 304 131	NB 1-4	8	BL8 NB 1-4
7 304 141	NB 1-5	8	BL8 NB 1-5
7 304 031	NB 2-6	6	BL6 NB 2-6
7 304 151	NB 2-8	7	BL7 NB 2-8
7 304 161	NRGFB 0-4	7	BL7 NRGFB 0-4
7 304 171	NRGFB 1-5	7	BL7 NRGFB 1-5
7 301 151	SQMB-6,35	5	BL5 SQMB-6,35
7 302 021	SQB-6,35	5	BL5 SQB-6,35
7 304 181	SQBP-6,35	4	BL4 SQBP-6,35
7 304 191	SQVB-6,35	4	BL4 SQVB-6,35
7 304 042	SFMB 5	4	BL4 SFMB-5
7 304 052	SFFB 5	4	BL4 SFFB-5
7 302 192	NPMJ-2	4	BL4 NPMJ-2
7 304 201	NPRB-2,3	6	BL6-NPRB-2,3
7 304 211	NPFB-4	6	BL6 NPFB-4
7 304 283	CR 210	3	BL3 CR 210



Item code	Part number	Quantity	Part number to be ordered
7 304 221	NC 1-5	5	BL5 NC 1-5
7 304 231	NC 2-6	4	BL4 NC 2-6
7 304 241	NC 2-8	4	BL4 NC 2-8
7 304 251	NRGFC 1-6	5	BL5 NRGFC 1-6
7 302 102	NPMJ-3	3	BL3 NPMJ-3
7 304 261	NRGFC 1-5	5	BL5 NRGFC 1-5
7 301 422	SQC-6,35	4	BL4 SQC-6,35
7 304 271	NPRC-3,5	4	BL4 NPRC-3,5



Any other quantities of blister packs on request.



# Industrial electrical connections



## Assorted terminal boxes

### General features

- Boxes containing a selection of terminals, end splices, sleeves and cable ties for general use.
- Also contain a UNISERT type crimping tool.
- Other selection on request.



**Plastic box**

**Metal box**



Contents

Part number	Quantity	Part number	Quantity
NA1-4	20	SQMB-6,35	20
NA2-6	15	SQBP-6,35	15
SQA-5	20	SFMB-5	15
SQMA-6,35	20	SFFB-5	15
SQAP-6,35	15	NRPB-2,3	20
NPRA-1,6	20	NPMJ-2	10
SFMA-4	15	NC2-6	10
SFFA-4	15	SQC-6,35	10
NPMJ-1	10	Y6, 35M-2F	5
NB1-5	20	CCD 9-62 P	10
NB2-6	15	UNISERT	1
SQVB-6,35	20		

Dimensions: 325 x 250 x 55 mm.

Item code: 7 310 061

Part number: COF - P

Contents

Part number	Quantity	Part number	Quantity
NA1-4	35	NRGFB1-5	30
NA2-5	35	NPRB-2,3	25
NRGFA2-4	35	SQMB-6,35	20
SQA-6,35	30	SQB-6,35	20
NPMJ-1	25	NPMJ-2	20
NB1-4	30	NC1-5	20
NB1-5	30	NC1-6	20
NB2-6	30	NC2-8	20
NB2-8	30	NPMJ-3	15
NRGFB0-4	30	UNISERT	1

Dimensions: 335 x 190 x 30 mm.

Item code: 7 310 011

Part number: COF - M

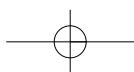
### General features

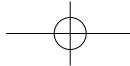
- A range of 600 pieces of the most popular types of Polyamide insulated terminals, splices and Fingrips + cable ties and handtool Y10MP

### Plastic box with DIN

Part numbers	Quantities	Part numbers	Quantities
BE1M37D	50	BE25W10	50
BE1M43D	50	BE25W13D	50
BE1FM43D	50	BSV25	20
BE1W13D	50	FPYG25	20
BE25M43D	50	FFYG25	50
BE25M53D	50	BE6M65D	20
BE25FM43D	50	BSV1	20
BE25FM53D	50	BSV6	50
TF4D	50	Y10MP	1

Item code	part number
7310100	ASSORT1





# Industrial electrical connections

Assortment box with tubular lugs and crimping tool



**Box containing a selection of terminals CT series and tooling:**

Part number	Description	Quantity	Part number	Description	Quantity
6-6C	cosse tubulaires pour cable 6 mm <sup>2</sup> bornage 6	25	25-10CT	cosse tubulaires pour cable 25 mm <sup>2</sup> bornage 10	25
6-8C	cosse tubulaires pour cable 6 mm <sup>2</sup> bornage 8	25	35-8CT	cosse tubulaires pour cable 3.5 mm <sup>2</sup> bornage 8	20
10-6CT	cosse tubulaires pour cable 10 mm <sup>2</sup> bornage 6	25	35-10CT	cosse tubulaires pour cable 35 mm <sup>2</sup> bornage 10	20
10-8CT	cosse tubulaires pour cable 10 mm <sup>2</sup> bornage 8	25	50-10CT	cosse tubulaires pour cable 50 mm <sup>2</sup> bornage 10	20
16-8CT	cosse tubulaires pour cable 16 mm <sup>2</sup> bornage 8	25	50-12CT	cosse tubulaires pour cable 50 mm <sup>2</sup> bornage 12	20
16-10CT	cosse tubulaires pour cable 16 mm <sup>2</sup> bornage 10	25	MD50	pince manuelle to sertir de 6 to 50 mm <sup>2</sup>	1
25-8CT	cosse tubulaires pour cable 25 mm <sup>2</sup> bornage 8	25			

Item code	Part number
7 310 104	COF TN50HX

**Box containing a selection of terminals CU series and tooling:**

Part number	Description	Quantity	Part number	Description	Quantity
CU6-6	cosse tubulaires pour cable 6 mm <sup>2</sup> bornage 6	25	CU25-10	cosse tubulaires pour cable 25 mm <sup>2</sup> bornage 10	25
CU6-8	cosse tubulaires pour cable 6 mm <sup>2</sup> bornage 8	25	CU35-8	cosse tubulaires pour cable 35 mm <sup>2</sup> bornage 8	20
CU10-6	cosse tubulaires pour cable 10 mm <sup>2</sup> bornage 6	25	CU35-10	cosse tubulaires pour cable 35 mm <sup>2</sup> bornage 10	20
CU10-8	cosse tubulaires pour cable 10 mm <sup>2</sup> bornage 8	25	CU50-10	cosse tubulaires pour cable 50 mm <sup>2</sup> bornage 10	20
CU16-8	cosse tubulaires pour cable 16 mm <sup>2</sup> bornage 8	25	CU50-12	cosse tubulaires pour cable 50 mm <sup>2</sup> bornage 12	20
CU16-10	cosse tubulaires pour cable 16 mm <sup>2</sup> bornage 10	25	MD50CU	pince manuelle to sertir de 6 to 50 mm <sup>2</sup>	1
CU25-8	cosse tubulaires pour cable 25 mm <sup>2</sup> bornage 8	25			

Item code	Part number
7 310 102	COF TN50HXCU

**Box containing a selection of terminals DE / YAV-DM series and tooling:**

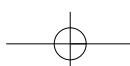
Part number	Description	Quantity	Part number	Description	Quantity
DE6-6SV	cosse tubulaires pour cable 6 mm <sup>2</sup> bornage 6	25	DE25-10SV	cosse tubulaires pour cable 25 mm <sup>2</sup> bornage 10	25
DE6-8SV	cosse tubulaires pour cable 6 mm <sup>2</sup> bornage 8	25	DE35-8SV	cosse tubulaires pour cable 35 mm <sup>2</sup> bornage 8	20
DE10-6SV	cosse tubulaires pour cable 10 mm <sup>2</sup> bornage 6	25	DE35-10SV	cosse tubulaires pour cable 35 mm <sup>2</sup> bornage 10	20
DE10-8SV	cosse tubulaires pour cable 10 mm <sup>2</sup> bornage 8	25	DE50-10SV	cosse tubulaires pour cable 50 mm <sup>2</sup> bornage 10	20
DE16-8SV	cosse tubulaires pour cable 16 mm <sup>2</sup> bornage 8	25	DE50-12SV	cosse tubulaires pour cable 50 mm <sup>2</sup> bornage 12	20
DE16-10SV	cosse tubulaires pour cable 16 mm <sup>2</sup> bornage 10	25	MD50DM	pince manuelle to sertir de 6 to 50 mm <sup>2</sup>	1
DE25-8SV	cosse tubulaires pour cable 25 mm <sup>2</sup> bornage 8	25			

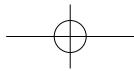
Item code	Part number
7 310 103	COF TN50HXDE

**Box containing a selection of terminals YCA series and tooling:**

Part number	Description	Quantity	Part number	Description	Quantity
YCA06M5TN	cosse tubulaires pour cable 6 mm <sup>2</sup> bornage 5	25	YCA025M10TN	cosse tubulaires pour cable 25 mm <sup>2</sup> bornage 10	25
YCA06M6TN	cosse tubulaires pour cable 6 mm <sup>2</sup> bornage 6	25	YCA035M8TN	cosse tubulaires pour cable 35 mm <sup>2</sup> bornage 8	20
YCA10M6TN	cosse tubulaires pour cable 10 mm <sup>2</sup> bornage 6	25	YCA035M10TN	cosse tubulaires pour cable 35 mm <sup>2</sup> bornage 10	20
YCA10M8TN	cosse tubulaires pour cable 10 mm <sup>2</sup> bornage 8	25	YCA050M10TN	cosse tubulaires pour cable 50 mm <sup>2</sup> bornage 10	15
YCA16M8TN	cosse tubulaires pour cable 16 mm <sup>2</sup> bornage 8	25	YCA050M12TN	cosse tubulaires pour cable 50 mm <sup>2</sup> bornage 12	15
YCA10M10TN	cosse tubulaires pour cable 16 mm <sup>2</sup> bornage 10	25	MD50D	pince manuelle to sertir de 6 to 50 mm <sup>2</sup>	1
YCA025M8TN	cosse tubulaires pour cable 25 mm <sup>2</sup> bornage 8	25			

Item code	Part number
7 310 107	COF TN50HXD





# Industrial electrical connections



## Special products

### Automotive electrical connections



### Aeronautic electrical connections



### Railway electrical connections



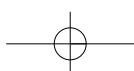
### Chain terminals

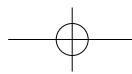


### Customised electrical connection

For any information on specific ranges  
and customised manufacturing:

**please contact us**





## Earthing and mechanical connectors



Copper tubular lugs



xxx

Earthing line supports  
and accessories



xxx

"C" type connectors



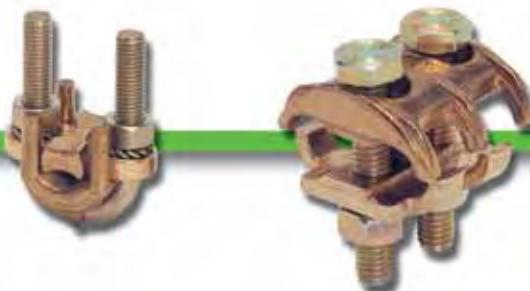
xxx

Mechanical connectors



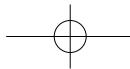
xxx

Cable clamps



xxx

Earthing and mechanical connectors



# Earthing connections



Earthing copper tubular lugs  
Tin-plated forged copper lugs



## General features

- CDCT series:  
Earth copper tubular lugs  
Electrolytic tin-plating process
- HU series:  
Tin-plated forged tubular lugs, sealed, hexagonal crimping,  
for various applications

Manufacture:

- From 16 to 150 mm<sup>2</sup>: cold extrusion of the barrel followed by cold impact forging of the palm
- 185 mm<sup>2</sup> and above: friction welding of a cold extruded barrel and a hot stamped palm

### CDCT series



EDF-SEPTEN listed

### HU series



Compliant with NFC 63061 Class A

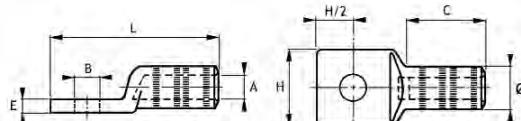
Tooling : see pages

#### CDCT series



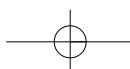
Conductor size (mm <sup>2</sup> )	Packing 50 pieces / box		Hole (mm)	W (mm)	L (mm)	Type of dies
	Item code	Part number				
75	7 341 611	CDCT 70-10,5	10	23.5	75	..HCT 75
	7 341 621	CDCT 70-12,5	12	23.5	81.4	
116	7 341 631	CDCT 116-10,5	10	28.5	85	..HCT 116
	7 341 641	CDCT 116-12,5	12	28.5	91	
	7 341 651	CDCT 116-14,5	14	28.5	93	
	7 341 661	CDCT 116-16,5	16	28.5	95	
147	7 341 681	CDCT 147-12,5	12	31.2	98	..HCT 147
	7 341 691	CDCT 147-14,5	14	31.2	102	
	7 341 701	CDCT 147-16,5	16	31.2	104	
181	7 341 721	CDCT 181-14,5	14	31.2	111	..HCT 181
	7 341 735	CDCT 181-16,5	16	31.2	111	
240	7 341 775	CDCT 240-12	12	39	112	..E 215

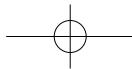
#### HU series



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Dimensions (mm)							Hydraulic tooling		
				A	B	Ø	C	E	H	L	130 KN	200 KN	550 KN
16	7 402 520	16 HU 12	**	5.6	12.8	22	40	7	40	90	U13E180(10)		
25	7 402 521	25 HU 12	**	6.5	12.8	22	40	7	40	90	U13E180(10)		
35	7 402 531	35 HU 12	**	7.5	12.8	22	40	7	40	90	U13E180(10)		
50	7 402 541	50 HU 12	**	9.1	12.8	22	40	7	40	90	U13E180(10)		
70	7 402 551	70 HU 12	**	11.4	12.8	22	40	7	40	90	U13E180(10)		
95	7 402 561	95 HU 12	**	12.8	12.8	22	40	7	40	90	U13E180(10)		
120	7 402 571	120 HU 12	**	14.5	12.8	22	40	7	40	90	U13E180(10)		
150	7 402 581	150 HU 12	**	15.5	12.8	22	40	7	40	90	U13E180(10)		
185	7 402 591	185 HU 12	**	18	12.8	33	40	8	42	106		U21E270(10)	
240	7 402 601	240 HU 12	**	21	12.8	33	40	8	42	106		U21E270(10)	
300	7 402 611	300 HU 12	**	23	12.8	33	40	8	42	106		U21E270(10)	
400	-	400 HU *		26	*	33	45	9.5	60	143		U21E270(10)	
500	-	500 HU *		30	*	40	60	9.5	60	166		U21E330(10)	B55E330(10)
630	-	630 HU *		33	*	53	80	10	80	205			B55E440(15)
800	-	800 HU *		37	*	53	80	10	80	205			B55E440(15)
1 000	-	1 000 HU *		43	*	63	80	10	80	240			B55E520(15)
1 300	-	1 300 HU *		47	*	63	80	10	80	240			B55E520(15)

\* Holes machined to order. \*\* Please ask for details.



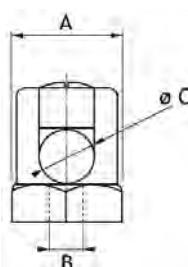


## Earthing connections

Brass earthing line supports

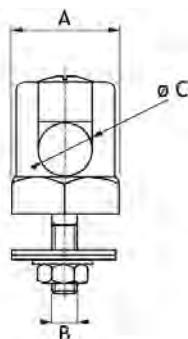


### SF series

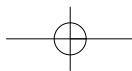


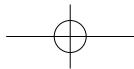
Item code	Part number	Packing	Dimensions (mm)			Item code	Part number	Packing	Dimensions (mm)		
			A	B	Ø C				A	B	Ø C
7 341 001	SF 66	50	17	M 6	4 to 6	7 341 151	SF 146	20	26	M 6	8 to 14
7 341 011	SF 67	50	17	7 x 150	4 to 6	7 341 161	SF 147	20	26	7 x 150	8 to 14
7 341 021	SF 68	50	17	M 8	4 to 6	7 341 171	SF 148	20	26	M 8	8 to 14
7 341 031	SF 86	50	19	M 6	4 to 8	7 341 181	SF 1410	20	26	M 10	8 to 14
7 341 041	SF 87	50	19	7 x 150	4 to 8	7 341 191	SF 166	20	30	M 6	10 to 16
7 341 051	SF 88	50	19	M 8	4 to 8	7 341 201	SF 167	20	30	7 x 150	10 to 16
7 341 061	SF 810	50	19	M 10	4 to 8	7 341 211	SF 168	20	30	M 8	10 to 16
7 341 071	SF 106	25	21	M 6	6 to 10	7 341 221	SF 1610	20	30	M 10	10 to 16
7 341 081	SF 107	25	21	7 x 150	6 to 10	7 341 231	SF 186	20	32	M 6	18
7 341 091	SF 108	25	21	M 8	6 to 10	7 341 235	SF 187	20	32	7 x 150	18
7 341 101	SF 1010	25	21	M 10	6 to 10	7 341 241	SF 188	20	32	M 8	18
7 341 111	SF 126	25	24	M 6	6 to 12	7 341 271	SF 206	20	36	M 6	20
7 341 121	SF 127	25	24	7 x 150	6 to 12	7 341 281	SF 207	20	36	7 x 150	20
7 341 131	SF 128	25	24	M 8	6 to 12	7 341 291	SF 208	20	36	M 8	20
7 341 141	SF 1210	25	24	M 10	6 to 12	7 341 101	SF 2010	25	36	M 10	20

### SF + BM series



Item code	Part number	Packing	Dimensions (mm)			Item code	Part number	Packing	Dimensions (mm)		
			A	B	Ø C				A	B	Ø C
7 341 008	SF 66 + BM	50	17	M 6	4 to 6	7 341 162	SF 147 + BM	25	26	7 x 150	8 to 14
7 341 038	SF 86 + BM	50	17	M 6	4 to 8	7 341 198	SF 166 + BM	10	30	M 6	10 to 16
7 341 078	SF 106 + BM	50	21	M 6	6 to 10	7 341 203	SF 167 + BM	10	30	7 x 150	10 to 16
7 341 118	SF 126 + BM	25	24	M 6	6 to 12	7 341 234	SF 186 + BM	10	32	M 6	18
7 341 122	SF 127 + BM	25	24	7 x 150	6 to 12	7 341 278	SF 206 + BM	10	36	M 6	20
7 341 158	SF 146 + BM	25	26	M 6	8 to 14	7 341 282	SF 207 + BM	10	36	7 x 150	20





# Earthing connections



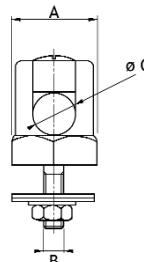
Tin-plated brass earthing line supports  
Screws and bolts for earthing line supports



## General features

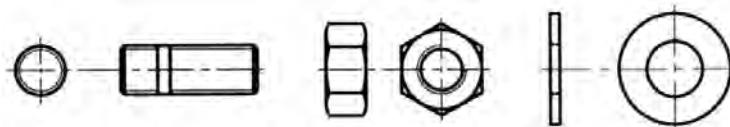
- SF CNM series:
  - Tin-plated brass earthing line supports, with one brass stud, 2 Alu-Cu washers, one brass nut and locknut.
- Screws and bolts for earthing line supports:
  - Brass or zinc-plated steel studs and nuts
  - Zinc-plated steel flat washers.

### SF CNM series

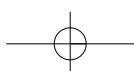


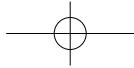
Item code	Part number	Packing	Dimensions (mm)			Item code	Part number	Packing	Dimensions (mm)		
			A	B	Ø C				A	B	Ø C
7 341 004	SF 66 CNM	25	17	M 6	4 to 6	7 341 126	SF 127 CNM	25	24	7 x 150	6 to 12
7 341 014	SF 67 CNM	25	17	7 x 150	4 to 6	7 341 134	SF 128 CNM	25	24	M 8	6 to 12
7 341 024	SF 68 CNM	25	17	M 8	4 to 6	7 341 144	SF 1210 CNM	25	24	M 10	6 to 12
7 341 034	SF 86 CNM	25	19	M 6	4 to 8	7 341 154	SF 146 CNM	10	26	M 6	8 to 14
7 341 044	SF 87 CNM	25	19	7 x 150	4 to 8	7 341 163	SF 147 CNM	10	26	7 x 150	8 to 14
7 341 054	SF 88 CNM	25	19	M 8	4 to 8	7 341 174	SF 148 CNM	10	26	M 8	8 to 14
7 341 064	SF 810 CNM	25	19	M 10	4 to 8	7 341 184	SF 1410 CNM	10	26	M 10	8 to 14
7 341 074	SF 106 CNM	25	21	M 6	6 to 10	7 341 194	SF 166 CNM	10	30	M 6	10 to 16
7 341 084	SF 107 CNM	25	21	7 x 150	6 to 10	7 341 207	SF 167 CNM	10	30	7 x 150	10 to 16
7 341 094	SF 108 CNM	25	21	M 8	6 to 10	7 341 214	SF 168 CNM	10	30	M 8	10 to 16
7 341 104	SF 1010 CNM	25	21	M 10	6 to 10	7 341 224	SF 1610 CNM	10	30	M 10	10 to 16
7 341 114	SF 126 CNM	25	24	M 6	6 to 12						

### Screws and bolts for earthing line supports



Type of screws and bolts	Zinc-plated steel			Brass		
	Item code	Part number	Packing	Item code	Part number	Packing
Studs	7 340 906	M6L16, 5 steel		7 340 908	M6L21,5 brass	
	7 340 913	7x150 steel		7 340 912	7x150 brass	
	7 340 907	M8L17 steel		7 340 909	M8L22 brass	
Nuts	7 340 903	HU6 steel		7 340 900	HU6 brass	
	7 340 905	H7x150 steel		7 340 902	H7x150 brass	
	7 340 904	HU8 steel		7 340 901	HU8 brass	
Flat washers	7 340 910	6x18x1,2 steel				
	7 340 914	6x24x1,2 steel				
	7 340 911	8x18x1,5 steel				
	7 340 915	8x22x1,5 steel				
	7 340 916	8,25x30x1,5 steel				





# Earthing connections

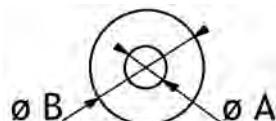
Bimetal (Aluminium-Copper) washers and plates



## General features

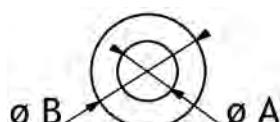
- BI series:  
Washers for earthing line supports
- PBST 2 series:  
Washers for earthing contact shoe
- PBST 1 series:  
Plates for earthing contact shoe
- Bimetal material: Aluminium-Copper

### BI series



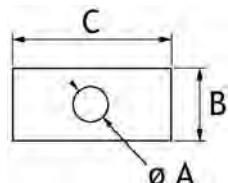
Packing 100 pieces / box		Ø A (mm)	Ø B (mm)	Thickness (mm)
Item code	Part number			
7 341 531	BI 30-6	6.5	30	2
7 341 541	BI 30-8	8.5	30	2
7 341 551	BI 30-10	10.5	30	2
7 341 555	BI 30-13	13	30	2
7 341 556	BI 30-14	14.6	30	2

### PBST 2 series

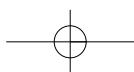


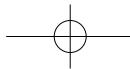
Packing 100 pieces / box		Ø A (mm)	Ø B (mm)	Thickness (mm)
Item code	Part number			
7 341 561	PBST 2-14	14.5	27	1
7 341 571	PBST 2-16	16.5	30	1

### PBST 1 series



Packing 100 pieces / box		Ø A (mm)	B (mm)	C (mm)	Thickness (mm)
Item code	Part number				
7 341 581	PBST 1-14	14.5	31	51	1
7 341 591	PBST 1-16	16.5	36	55	1





# Earthing connections

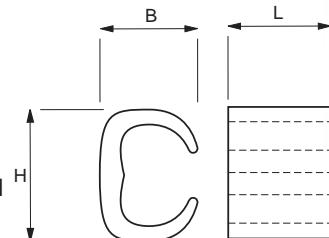


Compression tap-off copper connectors type C



## General features

- Crimping tap made of pure electrolytic Cu
- Application
- Joints and taps of Cu-Cu for overhead and grounding connections



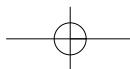
**YC series**

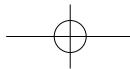
According to  
**IEC-61238**

**Tooling** : see pages ???

Copper		Tin plated copper		Sections totales		Allowed conductors				Dimensions (mm)			Die code
item code	part number	item code	part number			Run conductor	Tap conductor		(mm)				Die code
				min	max		mm <sup>2</sup>	mm <sup>2</sup>	min	max	L	H	
7340103	C6 YC10C10	7340104	C6E YC10C10TN	4	12	2.5	6	2.5	6	9	12	6.4	...HCU10
7340132	C10 YC8C8	7340131	C10E YC8C8TN	13	20	6	10	6	10	12	12.5	8.5	...HCU25
7340152	C16 YC4C8	7340151	C16E YC4C8TN	18.5	32	16	25	6	25	17	19	11.5	...HCU70
7340185	C25-10 YC4C6	7340184	C25-10E YC4C6TN	18.5	35	16	25	2.5	16	17	19.8	13	...HCU95
7340180	C25PM YC4C4	7340181	C25PME YC4C4TN	35	41	16	25	16	25	19	21	11.9	...HCU95
7340172	C25 YC2C4	7340171	C25E YC2C4TN	27.5	50	35	40	6	25	20	24.3	15	...HCU150
7340212	C35 YC2C2	7340211	C35E YC2C2TN	51	70	35	40	35	40	20	26.5	15	...HCU150
7340232	C50 YC50C	7340231	C50E YC50CTN	66	100	50	50	16	50	20	26.5	17.2	...HCU150
7340245	C70-35 YC26C2	7340244	C70-35E YC26C2TN	56	105	50	70	6	35	28	33	21	...HCU240
7340255	C70 YC26C26	7340254	C70E YC26C26TN	85	140	50	70	50	70	28	34	21	...HCU240
7340262	C75	7340261	C75E	110	170	75	95	35	75	60	40	26	...CC95
7340285	C95-35 YC28C2	7340284	C95-35E YC28C2TN	101	130	95	100	16	35	30	41	26	...CC95
	YC28C26		YC28C26TN	135	170	95	100	50	70	29	40.6	25	U-F
7340282	C95 YC28C28	7340281	C95E YC28C28TN	150	190	95	100	95	100	30	41	26	...CC95
7340332	C120 YC29C29	7340331	C120E YC29C29TN	155	240	120	120	35	120	30	45	28	...CC150
	YC31C28		YC31C28TN	175	250	150	185	25	100	27	44.1	27.2	U708
7340352	C150 YC150C	7340351	C150E YC150CTN	220	300	150	150	70	150	30	45	28	...CC150
7340374	C185-95	7340372	C185-95E	260	280	185	185	75	95	30	45	28	...CC150
7340370	C185 YC185C	7340371	C185E YC185CTN	215	370	120	185	95	185	35	54	33	...CC185
7340376	C240	7340375	C240E	387	480	240	240	147	240	40	54	33.5	...CC185
	YC240C70		YC240C70TN	160	310	150	240	10	70	22.4	60.8	31.1	...1011
7340392	C240-120 YC240C120		C240-120E YC240C120TN	245	360	150	240	95	120	23	68	32	...1011
	YC240C		YC240CTN	300	480	150	240	150	240	32	74	34	...1011

- : MTR PART NUMBERS IN BLUE
- : SBI PART NUMBERS IN ORANGE





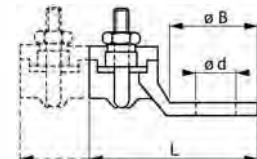
# Mechanical connectors



## Mechanical connectors

### General features

Mechanical brass connectors are normally fitted with 60 KG zinc-plated U bolts. For bronze U bolts please suffix the PN with the letter « B ».



### Ring tongue lugs

**1BR series**



**2BR series**



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Number of U bolts	Ø B (mm)	L (mm)	Ø d (special) (mm)
6 - 50	7 600 401	1BR921	50	1	21	43	9 (11)
6 - 50	7 600 402	1BR921B	50	1	21	43	9 (11)
6 - 70	7 600 411	1BR1125	25	1	25	55	11 (9-13-15)
6 - 70	7 600 412	1BR1125B	25	1	25	55	11 (9-13-15)
16 - 120	7 600 421	1BR1430	10	1	30	64	13 (15)
16 - 120	7 600 422	1BR1430B	10	1	30	64	13 (15)
25 - 150	7 600 431	1BR1632	10	1	32	70	13 (15)
25 - 150	7 600 432	1BR1632B	10	1	32	70	13 (15)
25 - 185	7 600 441	1BR1836	10	1	36	75	13 (15)
25 - 185	7 600 442	1BR1836B	10	1	36	75	13 (15)
70 - 300	7 600 451	1BR2240	10	1	40	85	19 (15-17)
70 - 300	7 600 452	1BR2240B	10	1	40	85	19 (15-17)
6 - 50	7 600 461	2BR921	25	2	21	64	9 (11-13)
6 - 50	7 600 462	2BR921B	25	2	21	64	9 (11-13)
16 - 120	7 600 471	2BR1430	10	2	30	90	13 (15)
16 - 120	7 600 472	2BR1430B	10	2	30	90	13 (15)
25 - 150	7 600 481	2BR1632	10	2	32	100	13 (15)
25 - 150	7 600 482	2BR1632B	10	2	32	100	13 (15)
70 - 300	7 600 491	2BR2240	10	2	40	114	19 (15-17)
70 - 300	7 600 492	2BR2240B	10	2	40	114	19 (15-17)

### Square tongue lugs

**1BC series**

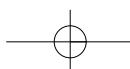


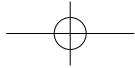
**2BC series**



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Number of U bolts	Ø B (mm)	L (mm)	Ø d (special) (mm)
6 - 70	7 600 501	1BC253	25	1	30	60	11 (9-13)
6 - 70	7 600 503	1BC253B	25	1	30	60	11 (9-13)
25 - 150	7 600 511	1BC313	25	1	30	68	11 (9-13)
25 - 150	7 600 512	1BC313B	25	1	30	68	11 (9-13)
25 - 150	7 600 521	1BC312	25	1	40	78	13 (15)
25 - 150	7 600 522	1BC312B	25	1	40	78	13 (15)
25 - 185	7 600 531	1BC420	25	1	50	93	*
25 - 185	7 600 532	1BC420B	25	1	50	93	*
25 - 150	7 600 541	2BC312	10	2	40	108	*
25 - 150	7 600 542	2BC312B	10	2	40	108	*
50 - 300	7 600 551	2BC2300	10	2	50	125	*
50 - 300	7 600 552	2BC2300B	10	2	50	125	*

\* Non-drilled palm as standard.





# Mechanical connectors

## Mechanical connectors

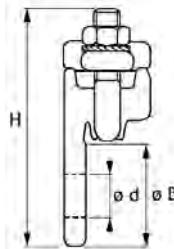


### General features

Mechanical brass connectors are normally fitted with 60 KG zinc-plated U bolts. For bronze U bolts please suffix the PN with the letter « B ».

#### 90 degree ring tongue lugs

Conductor size (mm <sup>2</sup> )	Item code	Part number	Pack-ing	Number of U bolts	Ø B (mm)	H (mm)	Ø d (special) (mm)
6 - 50	7 600 681	1BER921	50	1	21	53	9 (11-13)
6 - 50	7 600 682	1BER921B	50	1	21	53	9 (11-13)
16 - 120	7 600 701	1BER1430	25	1	30	75	13 (15)
16 - 120	7 600 702	1BER1430B	25	1	30	75	13 (15)
25 - 150	7 600 711	1BER1632	25	1	32	80	13 (15)
25 - 150	7 600 712	1BER1632B	25	1	32	80	13 (15)



1BER series



#### 90 degree square tongue lugs

Conductor size (mm <sup>2</sup> )	Item code	Part number	Pack-ing	Number of U bolts	Ø B (mm)	H (mm)	Ø d (special) (mm)
150 - 300	7 600 631	2BEC507	10	2	50	120	*
150 - 300	7 600 632	2BEC507B	10	2	50	120	*

1BEC series



2BEC series



#### Perpendicular ring tongue lugs

Conductor size (mm <sup>2</sup> )	Item code	Part number	Pack-ing	Number of U bolts	Ø B (mm)	Ø d (mm)
25 - 70	7 600 721	CTT10	25	1	26	11
25 - 70	7 600 722	CTT10B	25	1	26	11

CTT series



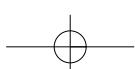
#### Branch tongue lugs

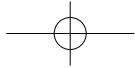
Conductor size (mm <sup>2</sup> )	Item code	Part number	Pack-ing	Number of U bolts	Ø B (mm)	Ø d (special) (mm)
6 - 75	7 600 731	CTR10	25	1	26	11 (9)*
6 - 75	7 600 732	CTR10B	25	1	26	11 (9)*
35 - 150	7 600 741	CTR16	25	1	26	13
35 - 150	7 600 742	CTR16B	25	1	26	13
15 - 150	7 600 751	CT1630	25	1	30	13
15 - 150	7 600 752	CT1630B	25	1	30	13

CTR series



CT1630 series





# Mechanical connectors

## Mechanical connectors



### General features

Mechanical brass connectors are normally fitted with 60 KG zinc-plated U bolts. For bronze U bolts please suffix the PN with the letter « B ».

#### Straight mechanical connectors with one tap

Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	L (mm)
6 - 50	7 600 761	RDB201	25	43
6 - 50	7 600 762	RDB201B	25	43
6 - 70	7 600 771	RDB211	10	48
6 - 70	7 600 772	RDB211B	10	48
25 - 150	7 600 781	RDB301	5	63
25 - 150	7 600 782	RDB301B	5	63

RDB series



R1D series



R2D series



#### Straight mechanical connectors with one or two taps

Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	L (mm)
6 - 50	7 600 801	R1D201	25	43
6 - 50	7 600 802	R1D201B	25	43
6 - 50	7 600 901	R2D201	15	43
6 - 50	7 600 902	R2D201B	15	43

#### Mechanical tap connectors

Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	L (mm)
6 - 50	7 600 831	DB202	25	21
6 - 50	7 600 832	DB202B	25	21

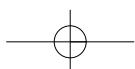
DB series

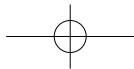


#### "T" connectors

Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	L (mm)
6 - 50	7 600 861	BT9	10	47
6 - 50	7 600 862	BT9B	10	47
6 - 70	7 600 871	BT11	10	57
6 - 70	7 600 872	BT11B	10	57
25 - 150	7 600 881	BT16	10	78
25 - 150	7 600 882	BT16B	10	78
60 - 300	7 600 891	BT22	10	118
60 - 300	7 600 892	BT22B	10	118

BT series

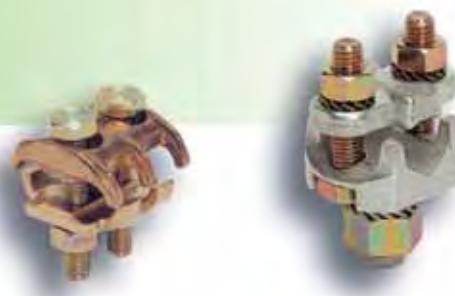




# Mechanical connectors



## Clamp connectors Swivelling connecting clamps

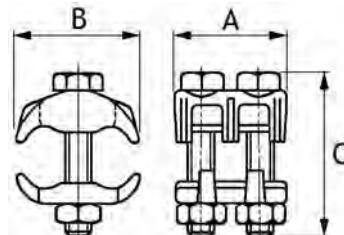


### General features

On request, clamp connectors can be fitted with bronze screws.  
In this case, please suffix the PN with the letter « B » (eg. RG1-25B).

### Clamp connectors

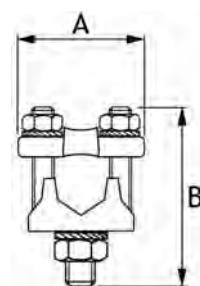
**RG series**



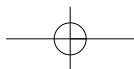
Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Bolts	A (mm)	B (mm)	C (mm)
4 - 30	7 601 001	RG1-25	50	1 x M 6	18	22	24
4 - 30	7 601 002	RG1-25B	50	1 x M 6	18	22	24
4 - 16	7 601 011	RG2-16	50	2 x M 5	21	19	29
4 - 16	7 601 012	RG2-16B	50	2 x M 5	21	19	29
4 - 35	7 601 021	RG2-35	25	2 x M 5	24	24	29
4 - 35	7 601 022	RG2-35B	25	2 x M 5	24	24	29
4 - 50	7 601 031	RG2-50	25	2 x M 6	28	29	34
4 - 50	7 601 032	RG2-50B	25	2 x M 6	28	29	34
16 - 95	7 601 041	RG2-95	10	2 x M 8	36	39	46
16 - 95	7 601 042	RG2-95B	10	2 x M 8	36	39	46
30 - 150	7 601 051	RG2-150	10	2 x M 8	37	48	51
30 - 150	7 601 052	RG2-150B	10	2 x M 8	37	48	51
50 - 300	7 601 061	RG3-300	3	3 x M 10	69	65	62
50 - 300	7 601 062	RG3-300B	3	3 x M 10	69	65	62

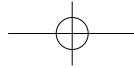
### Swivelling connecting clamps

**PO series**



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Intensity (A)	Bolts	A (mm)	B (mm)
10 - 95	7 603 301	PO 95	6	160	2 x M 8	33	50
16 - 150	7 603 311	PO 150	6	250	2 x M 8	45	64
35 - 240	7 603 321	PO 240	3	400	2 x M 10	50	78





# Mechanical connectors

## Bolt type terminals



### General features

#### Description:

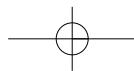
- Universal bolt type terminals

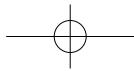
#### Construction:

- Copper sheet, tin plated
- Galvanized steel

**KPA series**

Item code	Part number	Fig	Cable section mm <sup>2</sup>		Cable diameter		Dimensions							Torque moment Nm
			min	max	min	max	c	d	h	Øk	I	n	t	
7601200	KPA8CTP	1	2.5	10	1.6	3.7	10	12	18	5	24	6	2	1.5
7601201	KPA4CTP	1	2.5	25	1.6	6.5	13	15	24	7	30	8	2	5.0
7601202	KPA25	2	25	50	6.0	9.8	19	21	32	8	46	10	2	20.0
7601203	KPA28	2	50	95	8.5	13.5	25	29	41	10	62	13	3	30.0
7601204	KPA34	2	120	240	13.5	20.6	35	35	62	13	84	19	6	45.0





# Mechanical tap off connectors

Tap offconnectors for copper  
aluminiumconductors



## General features

### Description

- Tap-off connectors with split-bolt. High electrical and mechanical characteristics with screw stamped that allows its application of high torque.

### Construction

- High strength CU alloy
- Special Cu alloy corrosion and craking resistant.
- Tin plated

### Application

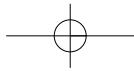
- Joints and taps of Cu/Cu, Cu/Al and Al/Al.

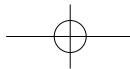
## For copper to copper, copper to aluminium, and aluminium to almmunium

Item Code	Part Number	Cooper and Aluminium		Aluminium Range of Mainor Tap		GUY Str. Inches (mm)	Copperweld Max.		Wire Diameter Range Inches(mm)	Recommended Torque LBS.In (N.m)	UL (See note)				
		Range of Equal Main and Tap		Min Tap with one Max. Main	Aluminium		Max Str.	Type A							
		Min AWG (mm <sup>2</sup> )	Max AWG (mm <sup>2</sup> )												
7601190	SBW3	14 Str (2.5)	8 Str (10)	14 Str (2.5)	-	8 (10) (3.96)	5/32	-	0.073 - 0.146 (1.85 - 3.70)	165 (18.6)	1				
7601191	SBW4	10 Str (6)	6 Str (16)	10 Sol (6)	-	6 (16) (5.55)	7/32	3N°.12	8A	0.116 - 0.184 (2.94 - 4.67)	165 (18.6)	1			
7601192	SBW5	8 Sol (10)	4 Str (25)	8 Sol (10)	-	6 - 4 (16 - 25) (6.35)	1/4	3N°.9	5A	0.128 - 0.258 (3.25 - 6.55)	275 (31.2)	1			
7601193	SBW6	8 Sol (10)	2 Str (35)	8 Sol (10)	-	6 - 2 (16 - 35) (7.93)	5/16	3N°.7	-	0.128 - 0.316 (3.25 - 8.02)	275 (31.2)	1			
7601194	SBW7	6 Sol (16)	1/0 Str (50)	10 Sol (6)	6 Sol - 1/0 Str (16 - 50)	6 - 1 (16 - 50) (4.11 - 9.52)	-	3N°.6	-	0.162 - 0.375 (4.11 - 9.52)	385 (43.5)	2			
7601195	SBW8	6 Str (16)	2/0 Str (70)	10 Sol (6)	6 Str - 2/0 Str (16 - 70)	6 - 1/0 (16 - 50) (4.67 - 10.64)	-	3N°.5	-	0.184 - 0.419 (4.67 - 10.64)	385 (43.5)	2			
7601196	SBW9	4 Str (25)	3/0 Str (95)	6 Sol (16)	4 Str - 3/0 Str (25 - 95)	6 - 2/0 (16 - 70) (5.02 - 11.93)	-	7N°.7	-	0.198 - 0.470 (5.02 - 11.93)	500 (56.5)	2			
7601197	SBW10	4 Str (25)	250 MCM (120)	4 Str (25)	4 Str- 250 MCM (25 - 120)	4 - 4/0 (25 - 120) (5.89 - 14.60)	-	7N°.5	-	0.232 - 0.575 (5.89 - 14.60)	650 (73.4)	2			
7601198	SBW11	3/0 Str (95)	350 MCM (195)	1 Sol (50)	3/0 Str - 350 MCM (95 - 185)	2/0 - 336.4 18/1 (70 - 185)	-	19N°.7	-	0.447 - 0.682 (11.35 - 17.32)	650 (18.6)	2			
7601199	SBW12	3/0 Str (95)	500 MCM (240)	1/0 Str (50)	3/0 Str - 500 MCM (95 - 240)	2/0 - 477 18/1 (70 - 240)	-	19N°.6	-	0.447 - 0.815 (11.35 - 20.70)	825 (93.2)	2			

Note (1): UL listed for Cu/Cu, Cu/Al and Al/Al applications

Note (2): UL listed for Cu/Cu applications

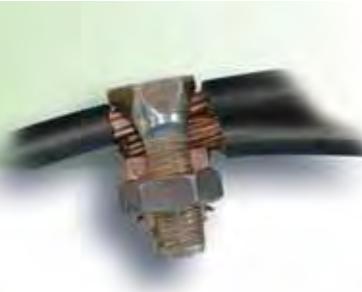




# Mechanical tap off connectors



Split-bolt connectors for copper conductors



## Features and Benefits

### Application / Use.

- For use with 2-conductors for electrical power applications, and grounding & bonding applications, except direct burial.
- Type SBEL is for use with 2 or 3 conductors for electrical power applications, and grounding & bonding applications except direct burial.

### Versatile / Multi-uses:

- Electrical: Splicing and taping.
- Grounding and Bonding: Above ground splicing, taping and bonding.

### Conductors:

- Wide range of solid, compact, compressed, concentric and copperweld.

### Installation:

- Torque wrench plus socket, box or open-end wrenches.
- True hex design sizing.

## General features

### Description

- Tap-off connectors with split-bolt. High electrical and mechanical characteristics with screw stamped that allows its application of high torque.

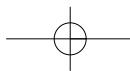
### Construction

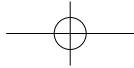
- High strength CU alloy.
- Special Cu alloy corrosion and craking resistant.

### Application

- Joints and taps of Cu/Cu.

Item Code	Part Number	Range Eq Run & Tap AWG (mm <sup>2</sup> )	Min Tap with one Max. Main AWG (mm <sup>2</sup> )	Max. Cond Copperweld		Wire diameter range inches (mm)	L inches (mm)	W inches (mm)	Across Flats inches (mm)	Torque LBS.In (N.m)
				STR	Type A					
7601170	SB90	16 Str - 10 Str (1.5 - 6)	16 Str (1.5)	-	-	0.057 - 0.116 (1.45 - 2.95)	0.71 (18.25)	0.49 (12.56)	0.35 (8.78)	80 (9.0)
7601171	SB15	16 Str - 8 Str (1.5 - 10)	16 Str (1.5)	-	-	0.057 - 0.145 (1.45 - 3.68)	0.84 (21.34)	0.50 (12.70)	0.38 (9.65)	80 (9.0)
7601172	SB17	10 Sol - 6 Sol (6 - 16)	16 Sol (1.5)	-	-	0.102 - 0.162 (2.59 - 4.11)	1.05 (26.67)	0.63 (16.00)	0.50 (12.70)	165 (18.6)
7601173	SBEL 6	10 Sol - 6 Sol (6 - 16)	16 Sol (1.5)	-	-	0.102 - 0.162 (2.59 - 4.11)	1.05 (26.67)	0.69 (17.53)	0.56 (14.22)	165 (18.6)
7601174	SB 20	8 Sol - 4 Sol (10 - 25)	16 Sol (1.5)	3N°. 12	8A	0.128 - 0.204 (3.25 - 5.18)	1.05 (26.67)	0.69 (17.53)	0.56 (14.22)	165 (18.6)
7601175	SB 22	6 Sol - 2 Sol (16 - 35)	12 Sol (4)	3N°. 9	5A	0.162 - 0.258 (4.11 - 6.55)	1.31 (33.27)	0.81 (20.57)	0.69 (17.53)	275 (31.2)
7601176	SB 23	6 Sol - 2 Str (16 - 35)	14 Str (2.5)	3N°. 7	3A	0.162 - 0.292 (4.11 - 7.42)	1.31 (33.27)	0.81 (20.57)	0.69 (17.53)	275 (31.2)
7601177	SB 25	4 Sol - 1/0 Str (25 - 50)	14 Sol (2.5)	3N°. 6	2A	0.204 - 0.375 (5.18 - 9.53)	1.64 (41.66)	0.88 (22.35)	0.75 (19.05)	385 (43.5)
7601178	SB 26	2 Sol - 2/0 Str (35 - 70)	14 Str (2.5)	3N°. 5	-	0.258 - 0.418 (6.55 - 10.62)	1.81 (45.97)	1.00 (25.40)	0.81 (20.57)	385 (43.5)
7601179	SB 3/0	2 Sol - 3/0 Str (35 - 95)	12 Sol (4.0)	7N°. 7	-	0.258 - 0.470 (6.55 - 11.94)	2.00 (50.80)	1.13 (28.70)	0.88 (22.35)	500 (56.5)
7601180	SB 4/0 250	1/0 Sol - 250 (50 - 120)	10 Sol (6.0)	7N°. 5	-	0.325 - 0.575 (8.26 - 14.61)	2.08 (52.83)	1.31 (33.27)	1.00 (25.40)	650 (73.4)
7601181	SB 350	4/0 Str - 350 (120 - 185)	8 Sol (10)	19N°. 7	-	0.528 - 0.682 (13.41 - 17.32)	2.63 (66.80)	1.63 (41.40)	1.50 (38.10)	650 (73.4)
7601182	SB 500	250 - 500 (120 - 240)	8 Sol (10)	19N°. 6	-	0.575 - 0.815 (14.61 - 20.70)	3.00 (76.20)	1.81 (45.97)	1.63 (41.40)	825 (93.2)
7601183	SB 750	350 - 750 (185 - 400)	8 Sol (10)	19N°. 5	-	0.682 - 0.999 (17.32 - 25.37)	3.75 (95.25)	2.13 (54.10)	1.94 (49.28)	1000 (113.0)
7601184	SB 1000	500 - 1000 (240 - 500)	8 Sol (10)	-	-	0.815 - 1.153 (20.70 - 29.29)	4.00 (101.60)	0.250 (6.35)	2.25 (57.15)	1100 (124.3)





# Industrial electrical connections

Tap off connectors for copper cables  
to flat bar



## General features

### Description

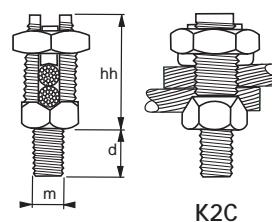
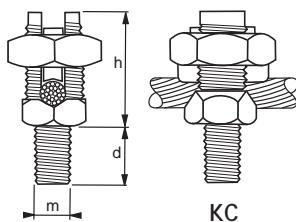
- Tap-off connectors for CU conductors to be mounted on steel structures, fence posts, transformers, etc.

### Construction

- High strength CU alloy

UL Approved

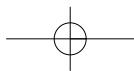
KC series

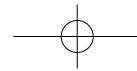


For 1 cable		For 2 cables		Conductor		Witworth screw (m)	Dimensions (mm)			
Item code	Part number	Item code	Part number	Stranded (mm <sup>2</sup> )	Solid (mm <sup>2</sup> )		d	h	hh	f
7601150	KC15	7601151	K2C15	4-6	4-10	1/4"	12.7	15.8	22.2	12.7
7601152	KC17	7601153	K2C17	6-10	6-16	1/4"	12.7	22.2	25.4	15.9
7601154	KC20	7601155	K2C20	6-16	6-25	5/16"	15.8	22.2	28.6	17.5
7601156	KC22	7601157	K2C22	6-35	6-35	3/8"	15.8	25.4	31.8	19.0
7601158	KC23	7601159	K2C23	10-50	6-50	3/8"	15.8	25.4	35.0	20.6
7601160	KC25	7601161	K2C25	35-50	35-70	1/2"	19.0	28.6	41.3	23.8
7601162	KC26	7601163	K2C26	35-70	35-95	1/2"	19.0	35.0	47.6	25.4
7601164	KC28	7601165	K2C28	50-120	50-120	5/8"	25.4	44.5	57.2	38.1
7601166	KC31	7601167	K2C31	50-185	-	5/8"	25.4	57.2	73.0	42.9
7601168	KC34	7601169	K2C34	95 - 240	-	3/4"	31.8	60.3	82.6	50.8

### Silicon-bronze accessories for KC Line

Stud m	Nut	Flat washer	Split lock-washer	Tooth lock-washer
1/4"	25 CHENBOX	25 FWBOX	25 SWBOX	25 NWBOX
5/16"	32 CHENBOX	32 FWBOX	32 SWBOX	32 NWBOX
3/8"	38 CHENBOX	38 FWBOX	38 SWBOX	38 NWBOX
1/2"	50 CHENBOX	50 FWBOX	50 SWBOX	50 NWBOX
5/8"	62 CHENBOX	62 FWBOX	62 SWBOX	62 NWBOX
3/4"	75 CHENBOX	75 FWBOX	75 SWBOX	75 NWBOX





## Heat-shrink tubing and cast resin joints



Tubing in BILBOX dispenser



XXX

Polyolefin tubing for general use



XXX

High quality flexible tubing



XXX

Polyolefin tubing:  
- high shrink ratio  
- medium and thick wall



XXX

Application tooling



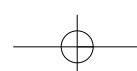
XXX

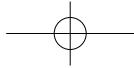
Low tension straight and  
branch joints



XXX

Heat-shrink tubing and cast resin joints





# Heatshrink tubing

## Heat-shrink tubing General features



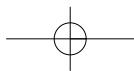
Page	Part number	Description	Range of applications	Operating temperature (°C)	Shrink temperature (°C)	Shrink ratio	Expanded Ø size (mm)
120	CLST	Flexible	High production volumes Low shrink ratio	-45 to +125	70	2/1	3.2 to 25.4
122	CPX 50	Flexible	General use, protection, identification and insulation	-55 to +125	110	2/1	1.6 to 50.8
122	CPX 55	Flexible, flame retardant	As CPX50, and flame retardant	-55 to +125	110	2/1	1.6 to 50.8
124	CPX 100	Flexible, flame retardant	High performance for general use (available in non flame retardant clear.)	-55 to +135	90	2/1	1.2 to 101.6
126	CPX 201	Flexible, flame retardant yellow, green	Identification of earthing connections	-55 to +135	90	3/1	3.2 to 39.0
128	CPX 300	Flexible, flame retardant	General use, the high shrink ratio decreases the quantity of sizes required	-55 to +135	90	3/1	3.2 to 39.0
130	CPA 100	Flexible, dual wall (adhesive lined), flame retardant	Water protection of a wide range of components	-55 to +110	95	3/1 - 4/1	3.0 to 52.0
	Rigid						
132	CFM	Medium dual wall (adhesive lined), high shrink ratio	Protection and insulation of low tension cables and connections	-55 to +110	120	3/1	10.2 to 69.9
134	CFE	As CFM but with increased wall thickness	As CFM but with improved insulation and mechanical resistance	-55 to +110	120	3/1	8.9 to 119.9

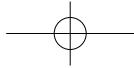
### Services:

Cutting, Assembly of assortment kits, etc.

### Other products:

MECATRACTION offer a wide range of products including a range of tooling which are not presented in this catalogue. Please contact us with any special requirements or for application tooling.





# Heatshrink tubing



## Heat-shrink tubing in BILBOX dispensers

## General features

- The mini-reels BILBOX offers a range of heat-shrink tubing with inside diameters before shrinking of 4.8 to 25.4 mm (3/16" to 1").
  - Continuous operating temperature : - 55°C to + 135°C.
  - Shrink ratio: 2/1 (except CPX201: 3/1).
  - Minimum shrink temperature: 90°C.
  - Flexible.
  - Flame retardant.
  - Resistance to common solvents and fluids.
  - 4 colours: black, red, blue, yellow/green.

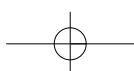
**Convenient and economic**

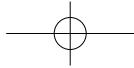


Item code	Part number	Ø before shrinking (mm)	Ø after shrinking (inch)	Colour	Length in meters
7 469 200	B8CPX100-1-5BK	4.8	3/16"	Black	8
7 469 201	B6CPX100-1-6BK	6.4	1/4"	Black	6
7 469 202	B5CPX100-1-7BK	9.5	3/8"	Black	5
7 469 203	B5CPX100-1-8BK	12.7	1/2"	Black	5
7 469 204	B4CPX100-1-10BK	19.1	3/4"	Black	4
7 469 205	B3CPX100-1-11BK	25.4	1"	Black	3
7 469 207	B8CPX100-1-5RD	4.8	3/16"	Red	8
7 469 208	B6CPX100-1-6RD	6.4	1/4"	Red	6
7 469 209	B5CPX100-1-7RD	9.5	3/8"	Red	5
7 469 210	B5CPX100-1-8RD	12.7	1/2"	Red	5
7 469 211	B4CPX100-1-10RD	19.1	3/4"	Red	4
7 469 212	B3CPX100-1-11RD	25.4	1"	Red	3
7 469 214	B8CPX100-1-5BE	4.8	3/16"	Blue	8
7 469 215	B6CPX100-1-6BE	6.4	1/4"	Blue	6
7 469 216	B5CPX100-1-7BE	9.5	3/8"	Blue	5
7 469 217	B5CPX100-1-8BE	12.7	1/2"	Blue	5
7 469 218	B4CPX100-1-10BE	19.1	3/4"	Blue	4
7 469 219	B3CPX100-1-11BE	25.4	1"	Blue	3
7 469 221	B6CPX201-2	4.8	3/16"	Yellow	6
7 469 222	B4,5CPX201-3	6.4	1/4"	Yellow	4.5
7 469 223	B4CPX201-4	9.5	3/8"	Yellow	4
7 469 224	B3,5CPX201-5	12.7	1/2"	Yellow	3.5
7 469 225	B3CPX201-6	19.1	3/4"	Yellow	3
7 469 226	B2CPX201-7	25.4	1"	Yellow	2

For technical features, see pages: 125 for tubing ref: CPX100  
127 for tubing ref: CPX201

Mechatraction - SBI connectors





# Heatshrink tubing

Low shrink temperature, flexible heat-shrink polyolefin tubing



## General features

### Description :

CLST is a flexible low shrink temperature tubing, specially designed for ease of use and safety of heat-sensitive components.  
Ideal for high volume production lines in automotive, domestic appliance and cable harness manufacturing.  
Can be shrunk with hot water.

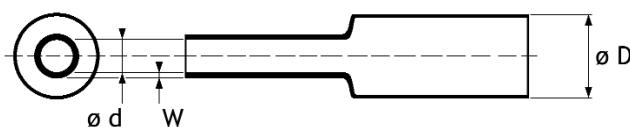
- Continuous operating temperature: - 45°C to + 125°C.
- Shrink ratio: 2/1.
- Standard colour: black.

**CLST**



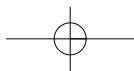
## Shrink temperature:

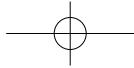
At 70°C CLST will shrink to 50% of its initial diameter.



Part number	Expanded Min. inside Ø (D)		Recovered Nominal wall thickness (W)	
	(mm)	(inch)	(mm)	(mm)
32	3.2	1/8"	1.6	0.50
48	4.8	3/16"	2.4	0.50
64	6.4	1/4"	3.2	0.60
95	9.5	3/8"	4.8	0.60
127	12.7	1/2"	6.4	0.60
160	16.0	5/8"	8.0	0.60
190	19.0	3/4"	9.5	0.80
254	25.4	1"	12.7	0.90

For ordering, please refer to the information given on following page.





# Heatshrink tubing

Low shrink temperature, flexible heat-shrink polyolefin tubing



## Technical data

### CLST

Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	14 MPa
Elongation	IEC 60684-2	420%
Operating temperature	-	-45 °C to +125 °C
Minimum shrink temperature	-	70 °C
Longitudinal change	ASTM D2671	6% max.
Specific gravity	ASTM D792-A-1	1.2 g / cm <sup>3</sup>
Secant modulus	ASTM D882	40 MPa max.
Dielectric strength	VDE0303 Part 2	25 kV / mm
Flammability	FMVSS302	Compliant
Elongation after ageing test	UL 224 (168 h to 158 °C)	390%
Resistance after heat shock	IEC 811-1-2 (4 h to 200 °C)	13 MPa
Low temperature flexibility	ASTM D2671 Meth. C	No cracking
Water absorption	VDE 0472	0.2%
Chemical resistance		Good

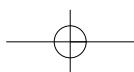
## Ordering information:

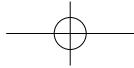
Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.

Standard colour: black.

Packing: on reels.

- Example of order:
  - CLST tubing ref. 48, black.
  - Then order: CLST48.





# Heatshrink tubing



Heat-shrink polyolefin tubing  
for general use

## General features

### Description :

CPX50/CPX55 series products are low cost tubing of quality offering good physical, chemical and dielectric properties. Available in 3 versions, they suit a wide range of applications.

This range includes both flame retardant and non flame retardant products.  
They all have better performance characteristics than PVC.

- Continuous operating temperature: -55°C to +125°C.
- Standard shrink ratio: 2/1.
- 6 standard colours.
- CPX55 : flame retardant.

**CPX50/CPX55**

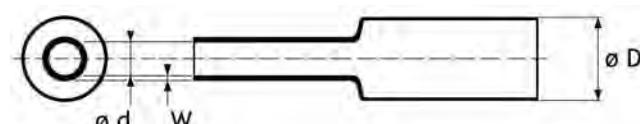


### Standards and specifications:

- UL - CSA (except CPX50).

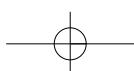
## Shrink temperature:

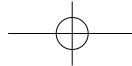
At 110°C CPX50 and CPX55 will shrink to 50% of its initial diameter.



Part number	Expanded Min. inside Ø (D)		Recovered	
	(mm)	(inch)	(mm)	Nominal wall thickness (W)
2	1.6	1/16"	0.8	0.40
3	2.4	3/32"	1.2	0.50
4	3.2	1/8"	1.6	0.50
5	4.8	3/16"	2.4	0.50
6	6.4	1/4"	3.2	0.60
7	9.5	3/8"	4.8	0.60
8	12.7	1/2"	6.4	0.60
9	16.0	5/8"	8.0	0.60
10	19	3/4"	9.5	0.80
11	25.4	1"	12.7	0.90
12	38.1	1 1/2"	19	1.00
13	50.8	2"	25.4	1.10

For ordering, please refer to information given on following page.





# Heatshrink tubing

Heat-shrink polyolefin tubing  
for general use



## Technical data

### CPX50/CPX55

Properties	Standards	CPX50 Typical performance	CPX55 Typical performance
Tensile strength	IEC 60684-2	19 Mpa	15 Mpa
Elongation	IEC 60684-2	530%	450%
Continuous operating temperature	-	-55 °C to +125 °C	-55 °C to +125 °C
Minimum shrink temperature	-	110 °C	110 °C
Longitudinal change	ASTM D2671	±10%	±10%
Specific gravity	ASTM D792, A-1	1.25 g / cm <sup>3</sup>	1.00 g / cm <sup>3</sup>
Secant modulus	ASTM D882	175 MPa max.	175 MPa max.
Dielectric strength	VDE 0303 Part 2	26 kV / mm (according to thickness)	24 kV / mm (according to thickness)
Flammability	UL 224	Non flame retardant	Flame retardant
Elongation after ageing test	UL 224 (168 h to 158 °C)	490%	300%
Resistance after heat shock	IEC 811-1-2 (4 h to 200° C)	18 MPa	13 MPa
Low temperature flexibility	ASTM D2671 (4 h to -55° C)	No cracking	No cracking
Water absorption	VDE 0472	0.30%	0.15%
Chemical resistance		Good	Good

## Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard length:  
 - continuous on reel  
 - 1.2 m length (suffix the PN with "L")
- Standard colours:  
 - "BK": black  
 - "RD": red  
 - "WE": white  
 - "BE": blue  
 - "YW": yellow  
 - "GN": green
- Two types:  
 - CPX55: flame retardant (all colours available)  
 - CPX50: non flame retardant (only clear available).  
 Note: CPX50 is non UL/CSA.
- Examples of orders:  
 - flame retardant tubing ref. 10, blue:  
 - For reel, order CPX55-10BE  
 - For 1.2 m lengths, order: CPX55-10BEL

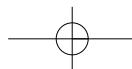
## Assortment boxes with heat-shrink tubing

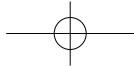
- Assortment of polyolefin tubing for multiple uses.
- Shrink ratio: 2/1.
- Length: 70 and 200 mm.



Quantity	Inside expanded Ø (mm)	Length (mm)
30	2.4 to 4.8	70
17	6.4	70
9	9.5	70
6	12.7	70
4	19	70
7	2.4 to 19	200

Item code	Part number
7 310 010	COFTHERMO





# Heatshrink tubing

High quality, flexible,  
multi-use heat-shrink tubing



## General features

### Description :

CPX100 is a specially formulated polyolefin tubing offering excellent dielectric, chemical and physical properties. Suitable for a variety of uses, this tough versatile tubing can be used for insulation, harnessing, strain relief and identification purposes in industrial and military applications.

- Continuous operating temperature: - 55°C to + 135°C
- Shrink ratio: 2.1
- Flexible
- Flame retardant (except clear)
- Resistant to common fluids and solvents

**CPX100**

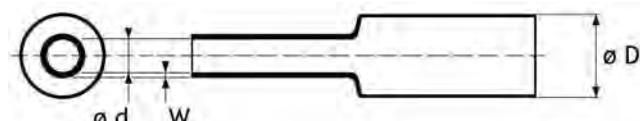


### Standards and specifications:

- UL - CSA.
- MIL.
- VG.
- DEF. STAN. 59/97.
- VDE.

## Shrink temperature:

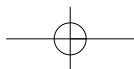
At 90°C CPX100 will shrink to 50% of its initial diameter.

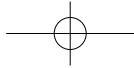


Part number	Expanded Min. inside Ø (D)		Recovered	
	(mm)	(inch)	Max. inside Ø (d)	Nominal wall thickness (W)
1*	1.2	3/64"	0.6	0.40
2*	1.6	1/16"	0.8	0.40
3	2.4	3/32"	1.2	0.50
4	3.2	1/8"	1.6	0.50
5	4.8	3/16"	2.4	0.50
6	6.4	1/4"	3.2	0.60
7	9.5	3/8"	4.8	0.60
8	12.7	1/2"	6.4	0.60
9	16.0	5/8"	8.0	0.60
10	19.0	3/4"	9.5	0.80
11	25.4	1"	12.7	0.90
12*	31.8	1 1/4"	15.9	0.90
13*	38.0	1 1/2"	19.0	1.00
14*	51.0	2"	25.4	1.10
15*	76.0	3"	38.0	1.30
16*	101.6	4"	50.8	1.40

\* Only available in black.

For ordering, please refer to information given on following page.





# Heatshrink tubing

High performance, flexible,  
multi-use heat-shrink tubing



## Technical data

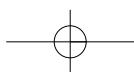
### CPX100

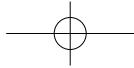
Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	17.0 MPa
Elongation	IEC 60684-2	500%
Continuous operating temperature	-	-55 °C to +135 °C
Minimum shrink temperature	-	90 °C
Longitudinal change	ASTM D2671	±5%
Specific gravity	ASTM D792, A-1	1.3 g / cm <sup>3</sup>
Secant modulus	ASTM D882	175 MPa max.
Dielectric strength	VDE 0303 Part 2	24 kV / mm
Flammability	UL 224	Flame retardant
Elongation after ageing test	ASTM D2671 (168 h to 175 °C)	300%
Resistance after heat shock	ASTM D2671 (4 h to 250° C)	No dripping, flowing or cracking
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Water absorption	VDE 0472	0.2% max.
Chemical resistance		Good

Note: CPX100 Type 2 is not flame retardant and technical performance may vary.

## Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard lengths:
  - continuous on reel
  - 1.2 m lengths (suffix the PN with "L")
- Standard colours:
  - "BK": black
  - "RD": red
  - "WE": white
  - "BE": blue
  - "YW": yellow
  - "GN": green (manufactured to order)
  - "CR": clear (only type 2)
- CPX100 can be supplied in two types:
  - Type 1: flame retardant (except clear) - (CPX100-1-...)
  - Type 2: (clear) non flame retardant - (CPX100-2-...) non UL/CSA. (technical performance may vary)
- Examples of orders:  
 CPX100 ref. 8 tubing, flame retardant, yellow:
  - For reel, order: CPX100-1-8YW
  - For 1.2 m lengths, order: CPX100-1-8YWL
- For non standard colours and sizes, please contact us.





# Heatshrink tubing

Flexible and multi-use yellow/green striped heat-shrink tubing



## General features

### Description :

CPX201 is a specially formulated polyolefin tubing offering excellent dielectrical, chemical and physical properties. The yellow/green striped tubing is recommended where the international electrical earth designation is intended.

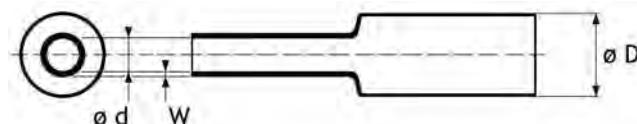
- Continuous operating temperature: - 55°C to + 135°C
- Shrink ratio: 3/1
- Flexible
- Flame retardant (colours)
- Resistant to common fluids and solvents

**CPX201**



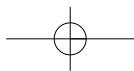
## Shrink temperature:

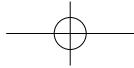
At 90°C CPX201 will shrink to 33% of its initial diameter.



Part number	Expanded Min. inside Ø (D)		Recovered	
	(mm)	(inch)	Max. inside Ø (d)	Nominal wall thickness (W)
1	3.2	1/8"	1.0	0.55
2	4.8	3/16"	1.5	0.60
3	6.4	1/4"	2.0	0.65
4	9.5	3/8"	3.0	0.75
5	12.7	1/2"	4.0	0.75
6	19.0	3/4"	6.0	0.85
7	25.4	1"	8.0	1.00
8	39.0	1 1/2"	13.0	1.15

For ordering, please refer to information given on following page.





# Heatshrink tubing

Flexible and multi-use yellow/green striped heat-shrink tubing



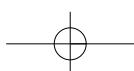
## Technical data

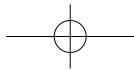
### CPX201

Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	15 MPa
Elongation	IEC 60684-2	450%
Continuous operating temperature	-	-55 °C to +135 °C
Minimum shrink temperature	-	90 °C
Longitudinal change	ASTM D2671	±10%
Specific gravity	ASTM D792, A-1	1.3 g / cm <sup>3</sup>
Secant modulus	ASTM D882	175 MPa max.
Dielectric strength	VDE 0303 Part 2	24 kV / mm
Flammability	UL 224	Flame retardant
Elongation after ageing test	ASTM D2671 (168 h to 175 °C)	300%
Resistance after heat shock	IEC 811-1-2 (4 h to 200 °C)	14 MPa
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Water absorption	VDE 0472	0.2% max.
Chemical resistance		Good

## Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard lengths:
  - continuous on reel
  - 1.2 m lengths (suffix the PN with "L")
- Standard colour: yellow/green striped
- Examples of orders:  
CPX201 ref. 5 tubing:
  - For reel, order: CPX201-5
  - For 1.2 m lengths, order: CPX201-5L
- For non standard colours and sizes, please contact us.





# Heatshrink tubing

General use thin wall heat-shrink polyolefin tubing with 3/1 shrink ratio



## General features

### Description :

CPX300 is a flexible, flame retardant tubing with a high shrink ratio and good resistance to common fluids and solvents. This enables the tubing to be used in numerous applications such as covering irregular shapes and components, or in the insulation and identification of cables and wires. High shrink ratio facilitates fewer sizes necessary for a wide range of diameters.

- Continuous operating temperature : - 55°C to +135°C
- Shrink ratio: 3/1
- Flexible
- Flame retardant (colours)

**CPX300**

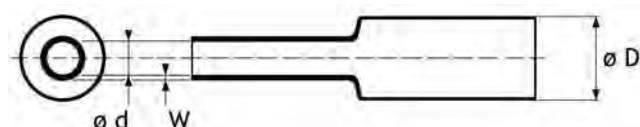


### Standards and specifications:

- UL - CSA
- VG.
- DEF.STAN-5997.
- VDE.

## Shrink temperature:

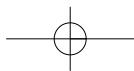
At 90°C CPX300 will shrink to 33% of its initial diameter.

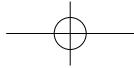


Part number	Expanded Min. inside Ø (D) (mm)	Recovered	
		Max. inside Ø (d) (mm)	Nominal wall thickness (W) (mm)
2	3.2	1.0	0.55
3	6.4	2.0	0.65
4	9.5	3.0	0.75
5	12.7	4.0	0.75
6	19.0	6.0	0.85
7	25.4	8.0	1.00
8*	39.0	13.0	1.15

\* Not available in CPX300-2CR.

For ordering, please refer to information given on following page.





# Heatshrink tubing



General use thin wall heat-shrink polyolefin tubing with 3/1 shrink ratio

## Technical data

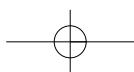
### CPX300

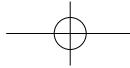
Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	17.0 MPa - 20.0 MPa for clear
Elongation	IEC 60684-2	500% - 550% for clear
Continuous operating temperature	-	-55 °C to +135 °C
Minimum shrink temperature	-	90 °C
Longitudinal change	ASTM D2671	±10%
Specific gravity	ASTM D792, A-1	1.3g/cm³ - 1.0g/cm³ for clear
Secant modulus	ASTM D882	175 MPa max.
Dielectric strength	VDE 0303 Part 2	20 kV / mm
Flammability	UL 224	Flame retardant (colours)
Elongation after ageing test	ASTM D2671 (168 h to 175 °C)	300 % - 500 % for clear
Resistance after heat shock	IEC 811-1-2 (4 h to 250° C)	19 MPa - 15 Mpa for clear
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Water absorption	VDE 0472	0.2%
Chemical resistance		Good

Note: CPX300 Type 2 is not flame retardant and its technical performance may vary.

## Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard lengths:
  - continuous on reel
  - 1.2 m lengths (suffix the PN with "L")
- Standard colours:
  - "BK": black
  - "RD": red (manufactured to order)
  - "WE": white (manufactured to order)
  - "BE": blue
  - "YW": yellow (manufactured to order)
  - "CR": clear (only type 2)
- CPX300 can be supplied in two types:
  - Type 1: flame retardant (except clear) - (CPX300-1-...)
  - Type 2: non flame retardant (clear) - (CPX300-2-...)
- Examples of orders:  
CPX300 ref. 4 tubing, non flame retardant, clear:
  - For reel, order: CPX300-2-4CR
  - For 1.2 m lengths, order: CPX300-2-4CR-L
- For non standard colours and sizes, please contact us.





# Heatshrink tubing

Dual wall heat-shrink tubing  
with protection against humidity  
and with high shrink ratio



## General features

### Description :

CPA100 is a semi-flexible tubing with an adhesive liner which melts and flows when heated. After shrinkage and upon cooling, this provides a moisture proof seal around the product covered. CPA100 suits to a wide range of applications, such as encapsulation of cables, wires, splices, breakouts and components.

The choice of high shrink ratios means flexibility of use such as the covering of irregular shaped objects.

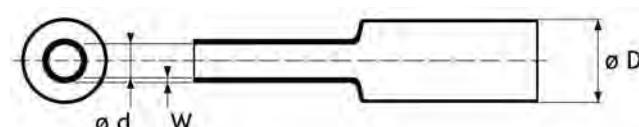
- Continuous operating temperature: -55°C to +110°C
- Shrink ratio: 3/1 or 4/1
- Semi-flexible
- Protection against humidity
- Flame retardant jacket

**CPA100**



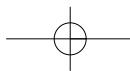
### Shrink temperature:

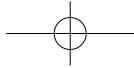
At 95°C CPA100 (part no's 30 to 37) will shrink to 33% of their initial diameter At 95°C CPA100 (part no's 41 to 47) will shrink to 25% of their initial diameter.



Part number	Expanded		(D) (mm)	Recovered		Wall thickness
	Min. inside Ø	Max. inside Ø		(d) (mm)	nom. (W) (mm)	
Ratio of hammering						
3/1	4/1	3/1	4/1	3/1 4/1	3/1 4/1	3/1 4/1
30	41	3.0	4.0	1.0	1.0	0.40
31		4.5		1.6	1.10	0.50
32	42	6.0	8.0	2.0	1.20	0.50
33	43	9.0	12.0	3.0	1.40	0.50
34	44	12.0	16.0	4.0	1.70	0.60
35	45	19.0	24.0	6.0	2.10	0.60
36	46	24.0	32.0	8.0	2.40	0.70
37	47	39.0	52.0	13.0	2.40	0.70

For ordering, please refer to information given on following page.





# Heatshrink tubing

Dual wall heat-shrink tubing  
with protection against humidity  
and high shrink ratio



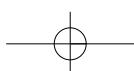
## Technical data

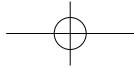
### CPA100

Properties	Standards	Typical performance
Tensile strength	IEC 60684-2	15 MPa
Elongation	IEC 60684-2	400%
Continuous operating temperature	-	-55 °C to +110 °C
Minimum shrink temperature	-	95 °C
Longitudinal change	ASTM D2671	3/1 = -15% max. - 4/1 = -18% max.
Specific gravity	ASTM D792, A-1 - ISO/R1183	1.25 g/cm <sup>3</sup>
Dielectric strength	VDE 0303 Part 2	22 kV / mm
Flammability	ASTM 876	Flame retardant (only jacket)
Resistance after heat shock	IEC 811-1-2 (4 h to 200° C)	15 MPa
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Chemical resistance		Good

## Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required.  
If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard length: 1.2 m.
- Standard colour: black.
- Example of order:  
- CPA100 tubing - ref. 44  
- Order: CPA100-44





# Heatshrink tubing

Medium wall, heat-shrink polyolefin tubing, ideal for the protection of cable joints and terminations of cables in low voltage power and Telecom applications



## General features

### Description :

CFM is an excellent product for sealing and insulating cable splices, connections, terminations and jacket repairs. The tubing is designed to suit a wide range of mechanical and electrical applications. The wide range of dimensions together with a high shrink ratio provides adaptability to most configurations, offering tough and versatile protection.

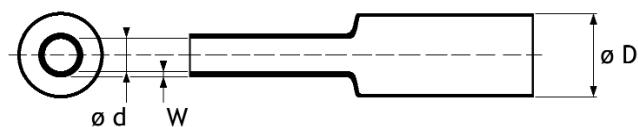
- Continuous operating temperature: -55°C to + 110°C
- Shrink ratio: 3/1
- High resistance to abrasion, corrosion and chemicals
- On outdoor applications, the tubing exhibits excellent resistance to the elements.
- Available as adhesive lined, sealant lined or unlined.

**CFM**



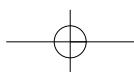
### Shrink temperature:

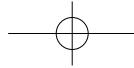
At 120°C CFM will shrink to 33% of its initial diameter.



Part number	Expanded Min. inside Ø (D) (mm)	Recovered		Nominal wall thickness (W) (mm)
		Max. inside Ø (d) (mm)	Nominal wall thickness (W) (mm)	
CFM 120	10.2	3.8	2.0	
CFM 200	19.1	5.6	2.0	
CFM 300	27.9	10.2	2.0	
CFM 340	33.0	10.2	2.0	
CFM 400	38.1	12.7	2.0	
CFM 450	43.2	12.7	2.0	
CFM 540	52.1	19.1	2.0	
CFM 700	69.9	25.4	2.0	

For ordering, please refer to information given on following page.





# Heatshrink tubing

Medium wall, heat-shrink polyolefin tubing, ideal for the protection of cable joints and terminations of cables in low voltage power and Telecom applications



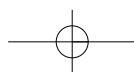
## Technical data

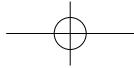
### CFM

Properties	Standards	Typical performance
Tensile strength	ASTM-D412 / ISO 37	14.5 MPa
Elongation	ASTM-D412 / ISO 37	550%
Continuous operating temperature	-	-55 °C to +110 °C
Minimum shrink temperature	-	120 °C
Longitudinal change	ASTM D2671	+1% to -10% max.
Specific gravity	ASTM D792, A-1	1.10 g / cm <sup>3</sup>
Dielectric strength	ASTM D149 / IEC 243	20 kV / mm
Elongation after ageing test	ASTM D2671 / ISO 37	500%
Choc thermique	ASTM D2671 (4 h to 225° C)	No dripping, flowing or cracking
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55 °C
Water absorption	ASTM D 570	0.10 %
Chemical resistance	-	Good to excellent
Properties	Adhesive data	Sealant data
Water absorption	< 0.3%	< 0.1%
Softening point	ASTM-E28 (95° C to 105° C)	(80° C to 90° C)

## Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard colour: black
- Standard length : 1.2 m
- 3 types of CFM tubing:
  - "A": with adhesive
  - "S": with sealant
  - "U": unlined
- Example of order:  
CFM tubing, unlined - ref. 200  
Order: CFM200U.





# Heatshrink tubing

Medium wall, heat-shrink polyolefin tubing, ideal for the protection of cable joints and terminations of cables in low voltage power and Telecom applications



## General features

### Description :

CFE is an excellent product for sealing and insulating cable splices, connections, terminations and jacket repairs. The version with thermoplastic adhesive allows a protection and total insulation in extreme environmental conditions. The wide range of dimensions together with a high shrink ratio provides adaptability to most configurations, offering tough and versatile protection.

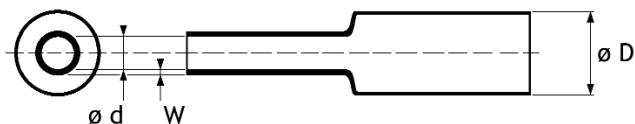
- Continuous operating temperature: -55°C to +110°C.
- Shrink ratio: 3/1.
- High resistance to abrasion, corrosion and chemicals.
- On outdoor applications, the tubing exhibits excellent resistance to the environmental elements.
- Available as adhesive lined, sealant lined or unlined.

CFE



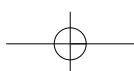
### Shrink temperature:

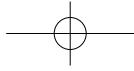
When operating temperature of CFE is 120°C, shrink is 33% of its initial diameter.



Part number	Expanded Min. inside Ø (D) (mm)	Recovered		Nominal wall thickness (W) (mm)
		Max. inside Ø (d) (mm)		
CFE 90	8.9	3.0		1.8
CFE 140	13.0	4.1		2.4
CFE 200	19.1	6.1		2.4
CFE 300	27.9	8.9		3.0
CFE 400	38.1	11.9		4.10
CFE 530	50.8	16.0		4.10
CFE 700	68.1	22.1		4.10
CFE 930	89.9	30.0		4.10
CFE 1220	119.9	39.9		4.3

For ordering, please refer to information given on following page.





# Heatshrink tubing

Medium wall, heat-shrink polyolefin tubing, ideal for the protection of cable joints and terminations of cables in low voltage power and Telecom applications



## Technical data

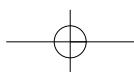
### CFE

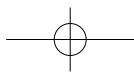
Properties	Standards	Typical performance
Tensile strength	ASTM D412 / ISO 37	14.5 MPa
Elongation	ASTM D412 / ISO 37	600%
Continuous operating temperature	-	-55 °C to +110 °C
Minimum shrink temperature	-	120 °C
Longitudinal change	ASTM D2671	+1% to -10% max.
Specific gravity	ASTM D792, A-1	1.10 g / cm <sup>3</sup>
Dielectric strength	ASTM D149	20 kV / mm
Elongation after ageing test	ASTM D2671 / ISO 37 (168 h to 150°C)	500% min.
Choc thermique	ASTM D2671 (4 h to 225° C)	No dripping, flowing or cracking
Low temperature flexibility	ASTM D2671 Meth. C	No cracking to -55%
Water absorption	ASTM D 570	0.10%
Chemical resistance	-	Good to excellent

Adhesive-sealant data identical to CFM tubing (page 133).

## Ordering information:

- Refer to the dimensional table and select the size which will shrink to at least the dimension required. If not fully shrunk the resultant wall thickness may be less than that indicated on the table.
- Standard colour: black
- Standard length: 1.2 m
- 3 types of CFE tubing:
  - "A": with adhesive
  - "S": with sealant
  - "U": unlined
- Example of order:  
CFE tubing, with sealant- ref. 90  
Order: CFE90S.





# Heatshrink tubing

Heat gun



## General features

Heat gun with 3-stage temperature switch.  
 Adjustable temperature and air flow control when in use.  
 Our heat gun offers a variety of possible applications.  
 Due to the light weight design of the device and the high temperature achieved, the gun can be used simply and without any fatigue.

- Output: 1800 Watts
- Temperature control:
  - Stage 1 : 50°C.
  - Stage 2 : 400°C.
  - Stage 3 : 600°C.
- Air flow rate:
  - Stage 1 : 200 l /min.
  - Stage 2 : 300 l /min.
  - Stage 3 : 500 l /min.
- Weight: 780 g
- Voltage: 220V

Item code	Part number
7 469 912	HL 1810 S

HL 1810 S



## Accessories

### Surface nozzle (50 mm)

Item code	Part number
7 469 902	BS 701



BS 701



BR 705

### Reflector nozzle (30 mm)

Item code	Part number
7 469 904	BR 705

### Large reflector nozzle (75 mm)

Item code	Part number
7 469 905	BR 730



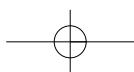
BR 14

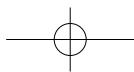
### Reducing nozzle ( $\varnothing$ 14 mm)

Item code	Part number
7 469 907	BR 14

### Reducing nozzle ( $\varnothing$ 20 mm)

Item code	Part number
7 469 906	BR 20

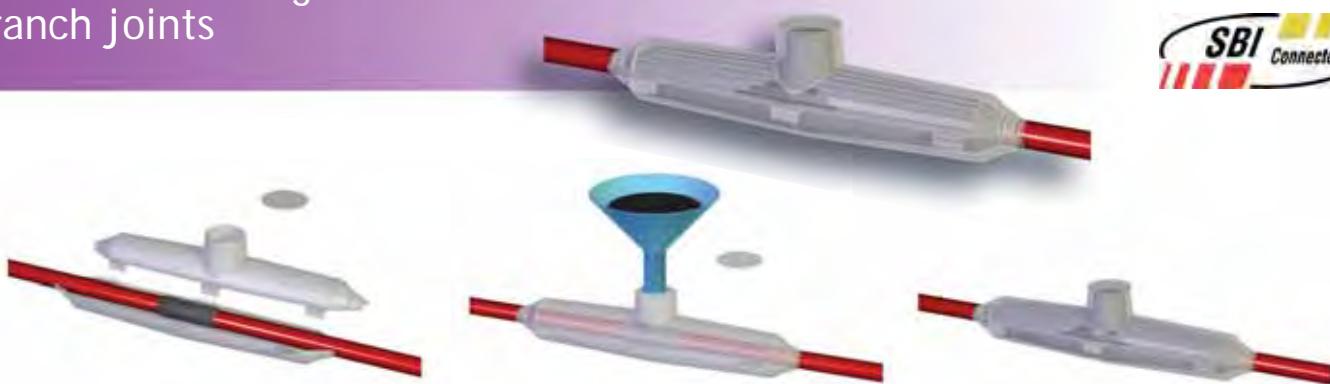




# Heatshrink tubing



## Low tension straight and branch joints

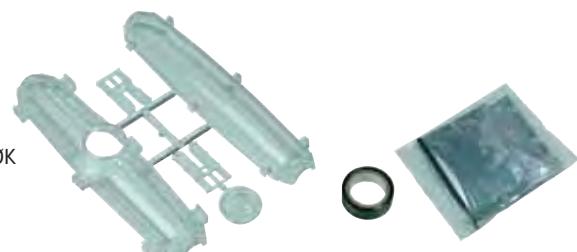
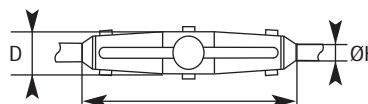


### Straight joint

Standard packing in cardboard box:

- Mould
- Resin to be cast
- Sealing ribbon
- Installation instructions
- Without connectors

Application : energy, signalisation, telephony.



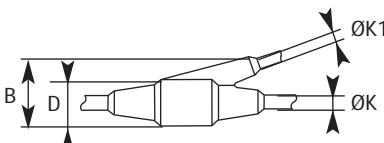
Packing / 1 piece		L (mm)	D (mm)	K (mm)	Capacity (mm²)	Weight (Kg)
Item code	Part number					
7 901 059	BJ00	180	24	7-16	4x6	0.3
7 901 060	BJ11	190	36	14-22	4x10	0.4
7 901 061	BJ12	260	47	14-30	4x25	0.7
7 901 062	BJ13	360	55	20-37	4x50	1.1
7 901 063	BJ14	400	70	25-42	4x95	1.6

### Branch joint

Standard packing in cardboard box:

- Mould
- Resin to be cast
- Sealing ribbon
- Installation instructions
- Without connectors

Application : energy, signalisation, telephony.



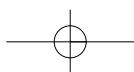
Packing / 1 piece		L (mm)	D (mm)	B (mm)	ØK (mm)	ØK1 (mm)	Main cable (mm²)	Branch cable (mm²)	Weight (Kg)
Item code	Part number								
7 901 080	BJY1	240	50	106	9-22	9-22	4x10	4x4	1
7 901 081	BJY2	285	64	120	22-39	18-35	4x16	4x10	2
7 901 082	BJY3	240	99	145	25-42	21-37	4x50	4x25	2
7 901 083	BJY4	285	100	165	29-53	21-37	4x95	4x50	2.6

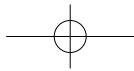
### Resin to be cast

- Polyurethane resin two components according to DIN VDE 0291, 2nd part, for resin boxes to be cast for low tension energy cable until 1 KV.
- Halogen free.
- Resistant to combustion.
- Storage conditions: At ambient temperature between +15° and +35°C. Date limit of use marked on the bag.



Packing / 1 piece		Volume (ml)	Weight (Kg)
Item code	Part number		
7 907 003	EG0	143	0.23
7 907 002	EG1	286	0.41
7 907 004	EG2	464	0.625





# Heat-shrink tubing: our specific packing



Display

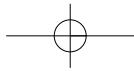


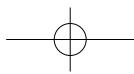
Bilbox



Electricians kit

For any inquiry,  
please contact our Sales Department: Tel : +33 (0)5 55 73 89 85  
Email: [sales@mecatraction.com](mailto:sales@mecatraction.com)





# Cable ties and accessories



Cable ties



xxx

Removable notched cable ties



xxx

Fixing accessories



xxx

Cable ties and cabling accessories



xxx

Installation tools



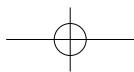
xxx

Stainless steel cable ties



xxx

Cable ties and accessories



# Cable ties and accessories

## Cable ties



### General features

#### CCI series

- Material: RoHS copolymer
- Halogen free
- Melting temperature: 186°C
- External notches
- Flammability rating : UL 94 HB
- Limit oxygen index (LOI): 22%
- Operating temperature: -45°C to +85°C
- Assembling temperature: -30°C to +60°C
- Regain of humidity: < 1%
- Good resistance to: bases, oils, greases, hydrocarbons, salt fog
- Good resistance to ultra-violet rays
- Fumes corrosivity: NFC 20-453: <5%
- Non resistant to chlorinated solvents



Compliant with **EN 50146** standard

Packing 100 pieces / box		Max bundle Ø (mm)	Min tensile strength (daN)	Length (mm)	Width (mm)
Item code	Part number				
7 101 000	CCI 6-115	25	28	115	6
7 101 010	CCI 6-180	45	28	180	6
7 101 020	CCI 6-290	78	28	290	6
7 101 030	CCI 6-360	100	28	360	6
7 101 035	CCI 9-132	27	39	132	9
7 101 040	CCI 9-180	40	39	180	9
7 101 050	CCI 9-265	62	54	260	9
7 101 060	CCI 9-360	93	54	360	9
7 101 070	CCI 9-510	140	55	510	9
7 101 080	CCI 9-760	220	55	760	9

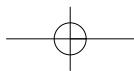
### General features

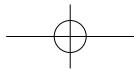
#### CCM series

- Material: black polyamid 6.6
- Halogen free
- Melting temperature: 261°C
- External notches
- Flammability rating: UL 94 V2
- Limit oxygen index (LOI): 26%
- Operating temperature: -30°C to +80°C
- Assembling temperature: -15°C to +60°C
- Regain of humidity: ? 2.5%
- Resistance to external agents: bases, oils, greases, hydrocarbons, salt fog
- Resistance to ultra-violet and ozone
- Limited resistance to acids
- Non resistant to chlorinated solvents, phenols



Packing 100 pieces / box		Max bundle Ø (mm)	Min tensile strength (daN)	Length (mm)	Width (mm)
Item code	Part number				
7 102 101	CCM9-42	42	35	185	9
7 102 111	CCM9-62	62	51	273	9
7 102 121	CCM9-92	92	51	360	9





# Cable ties and accessories

Removable notched cable ties  
(CCD type)



## General features

### CCD9 series

- Material: black polyamid 12
- Halogen free
- Melting temperature: 180°C
- Flammability rating: UL 94 HB
- Limit oxygen index (LOI): 22.5%
- Operating temperature : -45°C to +80°C
- Assembling temperature : -30°C to +60°C
- Regain of humidity: ≈ 1%
- Resistance to external agents: bases, acids, oils, hydrocarbons, salt fog
- Resistance to ultra-violet and ozone
- Non resistant to chlorinated solvents

### CCD9 series



Compliant with **EDF HN 33 S 62 (07-76)**  
technical specification



Packing 100 pieces/box		Max bundle Ø (mm)	Length (mm)	Width (mm)
Item code	Part number			
7 100 011	CCD9-22	8 - 22	105	9
7 100 031	CCD9-42	10 - 42	187	9
7 100 041	CCD9-62	20 - 62	251	9
7 100 051	CCD9-92	20 - 92	344	9

### CCD9-A series

- Material: white polyamid (internal use)
- Halogen free
- Melting temperature: 250°C
- Flammability rating: UL 94 V0
- Limit oxygen index (LOI): 31%
- Operating temperature: -40°C to +110°C
- Assembling temperature : -10°C to +50°C
- Resistance to external agents: bases, acids, oils, hydrocarbons, salt fog

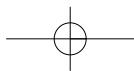
### CCD9-A series

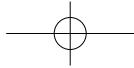


**EDF (SEPTEN)** homologated



Packing 100 pieces/box		Max bundle Ø (mm)	Length (mm)	Width (mm)
Item code	Part number			
7 110 101	CCD9-22 A	8 - 22	105	9
7 110 121	CCD9-42 A	10 - 42	187	9
7 110 131	CCD9-62 A	20 - 62	251	9
7 110 141	CCD9-92 A	20 - 92	344	9





# Cable ties and accessories

## Fixing accessories



### General features

Material:

- Black polyamid 12
- White polyamid (internal use)

### Screw-fitted supports on 7 x 150 threading for 9 mm width cable ties

Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 101	EM 7	100	7 110 231	EM 7 A	100



### Cable ties supports Ø 8 mm with spacing to wall 12 mm

Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 111	CHEM 8	100	7 110 221	CHEM 8 A	100



### Cable ties supports Ø 8 mm with spacing to wall 6 mm (polyamid 6)

Black		
Item code	Part number	Packing
7 100 113	CH 8 P	100



### Housings for 9 mm width cable ties

Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 141	P 9	100	7 110 262	P 9 A	100



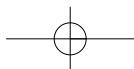
### Sheet type fixing's for 5/10 to 10/10 sheet with 7 mm Ø hole

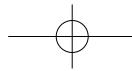
Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 131	VT 7	100	7 110 251	VT 7 A	100



### Bolts for EDF cable ways with cross perforation (10 mm width)

Black			White		
Item code	Part number	Packing	Item code	Part number	Packing
7 100 121	VER	100	7 110 241	VER A	100





# Cable ties and accessories

## Cable ties (CCE type)



Compliant with  
**MIL-S-23 190 E** standard

### General features

White

#### CCE...A series



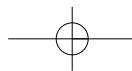
Black

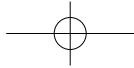
#### CCE... series



- Material: polyamid 6.6
- Halogen free
- Melting temperature: 255°C
- Flammability rating: UL 94 V2
- Limit oxygen index (LOI): 27%
- Operating temperature: -40°C to +80°C
- Assembling temperature: -10°C to +60°C
- Regain of humidity (24 hours): 1.3%
- Resistance to external agents: bases, oils, hydrocarbons, chlorinated solvents
- Limited resistance to acids
- Non resistant to phenols

Black		White		Length (mm)	Width (mm)	Max bundle Ø (mm)	Tensile strength (daN)
Packing 100 pieces/bag		Item code	Part number				
7 133 000	CCE 80-2,5	7 133 030	CCE 80-2,5 A	80	2.5	14	8.1
7 133 001	CCE 100-2,5	7 133 031	CCE 100-2,5 A	100	2.5	20	8.1
7 133 002	CCE 160-2,5	7 133 032	CCE 160-2,5 A	160	2.5	36	8.1
7 133 005	CCE 200-2,5	7 133 035	CCE 200-2,5 A	200	2.5	50	8.1
7 133 003	CCE 140-3,6	7 133 033	CCE 140-3,6 A	140	3.6	30	18.2
7 133 007	CCE 200-3,6	7 133 037	CCE 200-3,6 A	200	3.6	50	18.2
7 133 010	CCE 295-3,6	7 133 040	CCE 295-3,6 A	295	3.6	75	18.2
7 133 004	CCE 200-4,8	7 133 034	CCE 200-4,8 A	200	4.8	50	22.2
7 133 009	CCE 295-4,8	7 133 039	CCE 295-4,8 A	295	4.8	75	22.2
7 133 011	CCE 370-4,8	7 133 041	CCE 370-4,8 A	370	4.8	100	22.2
7 133 013	CCE 430-4,8	7 133 043	CCE 430-4,8 A	430	4.8	115	22.2
7 133 006	CCE 200-7,6	7 133 036	CCE 200-7,6 A	200	7.6	50	54.5
7 133 008	CCE 290-7,6	7 133 038	CCE 290-7,6 A	290	7.6	80	54.5
7 133 012	CCE 370-7,6	7 133 042	CCE 370-7,6 A	370	7.6	105	54.5
7 133 015	CCE 550-9	7 133 045	CCE 550-9 A	550	9	140	79.4
7 133 016	CCE 762-9	7 133 046	CCE 762-9 A	762	9	190	79.4
7 133 014	CCE 550-12,7	7 133 044	CCE 550-12,7 A	550	12.7	140	113.5
7 133 017	CCE 762-12,7	7 133 047	CCE 762-12,7 A	762	12.7	190	113.5





# Cable ties and accessories



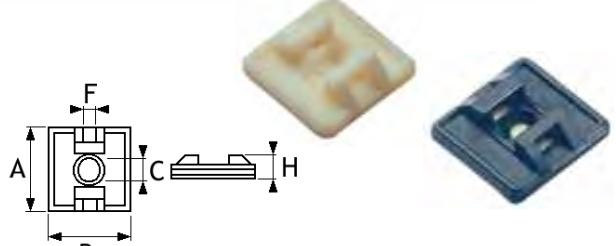
## Cable tie bases

### General features

Black or white polyamid 6.6, self-adhesive or screw, fixing supports for cable ties (CCE type).

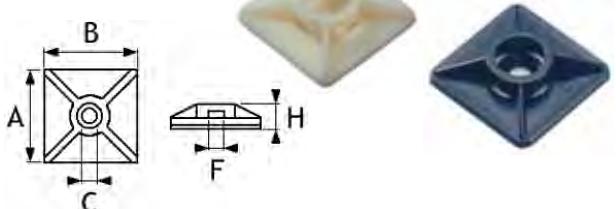
### Single way self-adhesive supports

White		Black		Cable ties width (mm)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)
Packing 100 pieces/bag	Item code	Packing 100 pieces/bag	Item code						
7 132 261	EAU 36 A	7 132 281	EAU 36	3.6	19	19	4.6	3.8	5
7 132 301	EAU 48 A	7 132 321	EAU 48	4.8	25	25	4.6	5.8	7



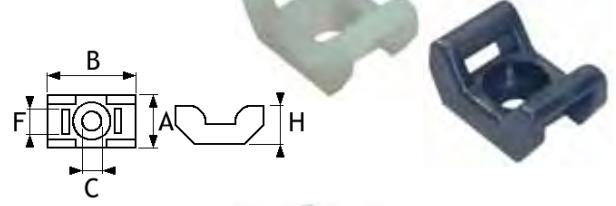
### Two way self-adhesive supports

White		Black		Cable ties width (mm)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)
Packing 100 pieces/bag	Item code	Packing 100 pieces/bag	Item code						
7 132 421	EAB 36 A	7 132 441	EAB 36	3.6	19	19	4.6	3.8	6
7 132 461	EAB 48 A	7 132 481	EAB 48	4.8	25	25	4.6	5.8	7



### Cradles

White		Black		Cable ties width (mm)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)
Packing 100 pieces/bag	Item code	Packing 100 pieces/bag	Item code						
7 132 581	EFD 9 A	7 132 601	EFD 9	9	15	23	5	9	9



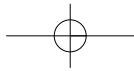
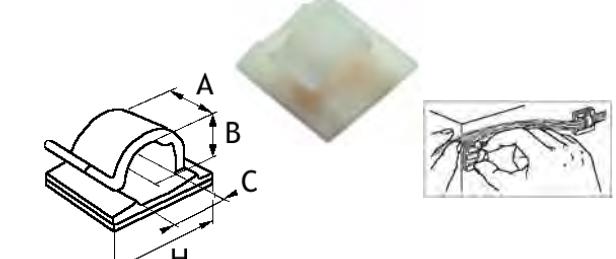
### Eyelets

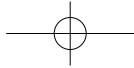
White		Black		Cable ties width (mm)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)
Packing 100 pieces/bag	Item code	Packing 100 pieces/bag	Item code						
7 132 661	EFD 4 A	7 132 681	EFD 4	4.8	9.5	19.1	4.3	5	5



### Self-adhesive cable mounts

Packing 100 pieces/bag		A (mm)	B (mm)	C (mm)	H (mm)
Item code	Part number				
7 132 701	FC 4	11	4.5	5	16
7 132 721	FC 11	12.5	7.5	11	25
7 132 741	FC 18	14	14.5	18	28





# Cable ties and accessories

Installation tools for cable ties



## General features

Hand tool for cable ties

- For cable ties from 2.2 to 4.8 mm width
- Fixing and automatic cutting of cable ties
- Metal body and handle
- Weight: 350 g



Item code: 7 500 301

Part number: 5401

## General features

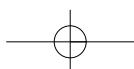
Hand tool for cable ties

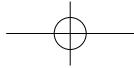
- For plastic cable ties from 6 to 9 mm width
- Pressed steel body
- Weight: 370 g



Item code: 7 500 311

Part number: SERCOL





# Cable ties and accessories

Stainless steel cable ties



## General features

### STB...M series



### STB...S series



- Material: stainless steel 316
- High resistance to corrosion:
- Inside or outside uses in salt fogs or to the effects of chemical products
- High resistance to temperature: -80°C to +538°C
- Ball stop which allows:
  - self-locking
  - light insertion effort
  - high resistance to snatching
  - simple and quick assembly

- Applications
  - shipbuilding
  - aeronautics
  - petrochemistry
  - offshore
  - telecommunications
  - food industry

Item code	Part number	Packing	Length (mm)	Width (mm)	Max bundle Ø (mm)	Mini tensile strength (daN)
7 135 000	STB152S	100	152	4.5	25	45.3
7 135 001	STB200S		200		50	
7 135 002	STB360S		360		102	
7 135 003	STB520S		520		152	
7 135 004	STB680S		680		203	
7 135 005	STB840S		840		254	
7 135 006	STB1050S	25	1 050	8	318	113.3
7 135 007	STB152M	50	152		25	
7 135 008	STB200M		200		50	
7 135 009	STB360M		360		102	
7 135 010	STB520M		520		152	
7 135 011	STB680M		680		203	
7 135 012	STB840M		840		254	
7 135 013	STB1050M	25	1 050		318	

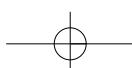
## Tool for stainless steel cable ties

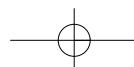
### General features

- Allows fixing and cutting of stainless steel cable ties from 4.5 to 12 mm width.

Item code: 7 500 312

Part number: STG200





## Tooling

Compression tools, cable-cutters, stripping tools, punches



Selection tables

XXX

Tooling for preinsulated terminals

XXX



Tooling for cable end sleeves

XXX



Tooling for tubular lugs, aluminium and copper/  
alu lugs, sleeves and splices

XXX

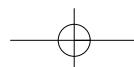


Cable-cutters, stripping tools,  
punches

XXX



Tooling Compression tools, cable-cutters, stripping tools, punches



# Tooling



## Hand tools for preinsulated terminals

### Crimping of preinsulated terminals

#### Hand crimping tools for preinsulated products

- Crimping of yellow preinsulated disconnects from 0.1 to 0.4 mm<sup>2</sup>.
- Max insulating diameter: 2.1 mm.

##### General features

- Aluminium body
- Exceptional gearing-down
- High quality crimping by rectilinear removing of dies
- Adjustment of binding height by an eccentric
- Safety rack
- Positioning stop

##### Delivered in individual box with instruction leaflet

- Length: 290 mm
  - Weight: 0.490 kg
- Complementary material: PG11: go-no go gauge

0.1 to 0.4 mm<sup>2</sup>



#### Hand crimping tools for preinsulated products

- Crimping of red preinsulated products from 0.34 to 1.5 mm<sup>2</sup>.

##### General features

- Aluminium body
- Exceptional gearing-down
- High quality crimping by rectilinear removing of dies
- Adjustment of binding height by an eccentric
- Safety rack
- Positioning stop

##### Delivered in individual box with instruction leaflet

- Length: 290 mm
  - Weight: 0.500 kg
- Complementary material:
- HD28: stop for 2.8 mm disconnects
  - HD28-90: stop for 2.8 mm disconnects crimped on edge (90°)
  - HF21: stop for sleeves with inspection hole
  - PG1: go-no go gauge

0.34 to 1.5 mm<sup>2</sup>



#### Hand crimping tools for preinsulated products

- Crimping of blue preinsulated products from 1 to 2.5 mm<sup>2</sup>.

##### General features

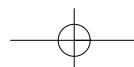
- Aluminium body
- Exceptional gearing-down
- High quality crimping by rectilinear removing of dies
- Adjustment of binding height by an eccentric
- Safety rack
- Positioning stop

##### Delivered in individual box with instruction leaflet

- Length: 290 mm
  - Weight: 0.500 kg
- Complementary material:
- HF21: stop for sleeves with inspection hole
  - PG2: go-no go gauge

1 to 2.5 mm<sup>2</sup>





# Tooling



## Hand tools for preinsulated terminals

### Crimping of preinsulated products

#### Hand crimping tools for preinsulated products

- Crimping of yellow preinsulated products from 2.6 to 6 mm<sup>2</sup>.
- Max insulating diameter: 6.8 mm.

2.6 to 6 mm<sup>2</sup>



#### General features

- Steel body
- Exceptional gearing-down
- High quality crimping by rectilinear removing of dies
- Adjustment of binding height by a pin
- Safety rack
- Positioning stop for terminals, disconnects end-splices and sleeves with inspection hole



#### Delivered in individual box with instruction leaflet

- Length: 330 mm
  - Weight: 0.900 kg
  - Handles colour: one yellow and one white
- Complementary material: PGH3: go-no go gauge

Item code	Part number
7500507	TH 3

#### Hand crimping tools for terminals, disconnects and waterproof connectors

- Crimping of preinsulated waterproof products from 0.5 to 6 mm<sup>2</sup>.
- Pages : ??

0.5 to 6 mm<sup>2</sup>



#### General features

- PVC insulated handles
- Safety rack
- Length: 258 mm
- Weight: 0.580 kg



Item code	Part number
7500420	PM 2000G

#### Hand crimping tools for preinsulated products

Tool for general purposes

- Crimping of preinsulated terminals and disconnects from 0.34 to 6 mm<sup>2</sup>.
- End cut
- Strip
- Cut brass screws

0.34 to 6 mm<sup>2</sup>

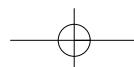


#### General features

- PVC insulated handles
- Length: 225 mm
- Weight: 0.220 kg



Item code	Part number
7500151	UNISERT



# Tooling



## Hand tools for preinsulated terminals

### Crimping of preinsulated products

#### Hand crimping tools for preinsulated products

- Crimping of preinsulated products from 0.34 to 6 mm<sup>2</sup>.

0.34 to 6 mm<sup>2</sup>



#### General features

- Double indent dies allowing crimping and binding in only one process
- Chromed steel body
- Bi-material insulated handles
- Safety rack
- Adjustable tightening pressure
- Length: 245 mm
- Weight: 0.640 kg



Item code	Part number
7 500 205	CT0346

#### Crimping tool with a set of 5 dies

- Crimping of non insulated products, preinsulated products, end sleeves and non insulated disconnects.

0.34 to 35 mm<sup>2</sup>



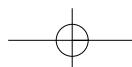
#### General features

- Similar crimping tool as CT0346 with quick change die system
- 1 die for preinsulated terminals from 0.34 to 6 mm<sup>2</sup>
- 1 die for non insulated and preisolated end sleeves from 0.5 to 16 mm<sup>2</sup>
- 1 die for non insulated and preisolated end sleeves from 16 to 35 mm<sup>2</sup>
- 1 die for non insulated terminals from 0.5 to 10 mm<sup>2</sup>
- 1 die for non insulated disconnects from 0.5 to 2.5 mm<sup>2</sup>
- 1 carrying case



Item code	Part number
7 500 206	SETCT5PLUS





## Tooling



Hand tools for preinsulated  
and non insulated terminals

### MR8 GE3

Hand tools for preinsualted terminals (YAEV, YSEV, YAE, YSE series)

#### General features

- High strength aluminium-alloy body
- Long life expectancy with fully protected ratchet mechanism
- For use on insulated terminals and splices
- Length: 265 mm
- Weight: 0.770 kg

#### Application

- 1 - 2.5 - 6 mm<sup>2</sup> (YAEV, YSEV, YAE, YSE series)



Item code	Part number
7500250	MR8GE3

### MR8 9Q

Hand tools for non insualted terminals (YAV, YSV, BY, BY-BYSM series)

#### General features

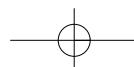
- Aluminium hand tool with ratchet control
- For use on non insulated terminals and splices
- Length: 265 mm
- Weight: 0.770 kg

#### Application

- 1 - 2.5 - 6 mm<sup>2</sup> : (YAV, YSV, BY, BY-BYSM series)
- 10 mm<sup>2</sup> : (YAV, YSV, YSM series)



Item code	Part number
7500251	MR89Q



Tooling



## Pneumatic crimp tool

### Crimping of preinsulated terminals, disconnects and end-splices

Pneumatic tool for crimping preinsulated terminals, disconnects and end-splices from 0.34 to 6 mm<sup>2</sup>

#### General features

- Accurate and powerful crimping
- Crimping by rectilinear movement of dies
- Safety rack
- Positioning stop
- Working pressure: 7 bars
- Delivered with working instructions and flex for coupling to compressed air
- Length: 320 mm
- Weight: 1.500 kg



A pneumatic set consists of:

- One pneumatic jack:

Item code	Part number
7513012	AT201

- One of the following crimping heads:

- Crimping red products from 0.34 to 1.5 mm<sup>2</sup>

Item code	Part number
7513015	AT331

- Crimping blue products from 1 to 2.5 mm<sup>2</sup>

Item code	Part number
7513016	AT332

- Crimping yellow industrial products from 2.6 to 6 mm<sup>2</sup>

- Crimping railways products from 1 to 2.5 mm<sup>2</sup> (white insulating)
- Maxi insulating diameter: 6.8 mm

Item code	Part number
7513017	AT333

- Crimping railways products from 1 to 2.5 mm<sup>2</sup> (black insulating)
- And from 2.6 to 6 mm<sup>2</sup> (yellow insulating, black striped)

- Max insulating diameter: 8.8 mm

Item code	Part number
7513018	AT333-2

- Complementary accessories:

- ATBA: support for stationary work, with foot control

Item code	Part number
7514011	ATBA

- PG1: go-no go gauge for AT331 head

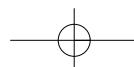
Item code	Part number
7500801	PG1

- PG2: go-no go gauge for AT332 head

Item code	Part number
7500831	PG2

- PGH3: go-no go gauge for AT333 and AT333-2 heads

Item code	Part number
7500862	PGH3



# Tooling



Hand tools for closed-end wire connectors and end sleeves

## Crimping of close-end wire connectors

### Hand tool for close-end wire connectors

- Crimping of
  - PME1 close-end wire connectors (from 0.34 to 1.5 mm<sup>2</sup>)
  - PME2 close-end wire connectors (from 1.5 to 2.5 mm<sup>2</sup>)
  - PME3 close-end wire connectors (from 2.5 to 6 mm<sup>2</sup>)

#### General features

- PVC insulated handles
- Safety rack
- Length: 275 mm
- Weight: 0.430 Kg

Item code	Part number
7500401	PSEC7A



0.34 to 6 mm<sup>2</sup>



### Hand tool for close-end wire connectors

- Crimping of
  - PME2 close-end wire connectors (from 1.5 to 2.5 mm<sup>2</sup>)
  - PME3 close-end wire connectors (from 2.5 to 6 mm<sup>2</sup>)
  - PME4 close-end wire connectors (from 6 to 10 mm<sup>2</sup>)

#### General features

- PVC insulated handles
- Safety rack
- Length: 320 mm
- Weight: 0.620 Kg

Item code	Part number
7500402	PSEC8



1.5 to 10 mm<sup>2</sup>



### Hand tool for crimping end sleeves

- Crimping from 0.25 to 6 mm<sup>2</sup> end sleeves

0.25 to 6 mm<sup>2</sup>

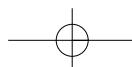


#### General features

- High quality tool enabling crimping in compliance with NF C 63-023 and DIN 46228 standards.
- Only one crimping indent
- PVC insulated handles
- Safety rack
- Length: 210 mm
- Weight: 0.500 Kg

Item code	Part number
7500072	PZ0256





# Tooling



## Hand tools for end sleeves

### Crimping of end sleeves

#### Hand tool for crimping end sleeves

- Crimping from 0.5 to 6 mm<sup>2</sup> end sleeves
- 5 crimping indents

0.5 to 6 mm<sup>2</sup>

#### General features

- High quality tool enabling crimping in compliance with NF C 63-023 and DIN 46228 standards.
- PVC insulated handles
- Safety rack
- Length: 200 mm
- Weight: 0.350 Kg

Item code	Part number
7500075	DEB 0560



#### Hand tool for crimping end sleeves

- Crimping 10, 16 and 25 mm<sup>2</sup> end sleeves
- 3 crimping indents

10, 16 and 25 mm<sup>2</sup>

#### General features

- High quality tool enabling crimping in compliance with NF C 63-023 and DIN 46228 standards.
- PVC insulated handles
- Safety rack
- Length: 230 mm
- Weight: 0.540 Kg

Item code	Part number
7500078	CEB 1025



#### Hand tool for crimping end sleeves

- Crimping 35 and 50 mm<sup>2</sup> end sleeves
- 2 crimping indents

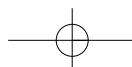
35 and 50 mm<sup>2</sup>

#### General features

- High quality tool enabling crimping in compliance with NF C 63-023 and DIN 46228 standards.
- PVC insulated handles
- Safety rack
- Length: 230 mm
- Weight: 0.540 Kg

Item code	Part number
7500079	CEB 3550





# Tooling



## Hand tools for end sleeves

### Hand tool for crimping end sleeves

- Crimping of preinsulated products from 0.08 to 10 mm<sup>2</sup>.

0.08 to 10 mm<sup>2</sup>

#### General features

- Square crimping.
- Crimped self-adjusting
- Side crimping
- Length: 180 mm
- Weight: 0.380 Kg



### Hand tool for crimping end sleeves

- Crimping of preinsulated products from 0.08 to 16 mm<sup>2</sup>.

0.08 to 16 mm<sup>2</sup>

#### General features

- Square crimping.
- Crimped self-adjusting
- Front and side crimping
- Length: 190 mm
- Weight: 0.475 Kg



### Hand tool for crimping end sleeves

- Ergonomic handles. For use on insulated and non insulated cord end sleeves (AH/AE and CE/CA/AJ series)

0.08 to 2.5 mm<sup>2</sup>

#### General features

- Length: 140 mm
- Weight: 0.185 Kg

Item code	Part number
7507000	Y05M1AE

Wire size: 0.08 to 0.5 mm<sup>2</sup>

Item code	Part number
7507001	Y2M6AE

Wire size: 0.5 to 2.5 mm<sup>2</sup>

### Hand tool for crimping end sleeves

- Ergonomic handles. For use on insulated and non insulated cord end sleeves (AH/AE and CE/CA/AJ series)

0.25 to 50 mm<sup>2</sup>

#### General features

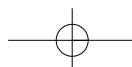
- Length: 220 mm
- Weight: 0.270 Kg

Item code	Part number
7507002	Y16M8AE

Wire size: 0.25 to 16 mm<sup>2</sup>

Item code	Part number
7507003	Y50M4AEHD

Wire size: 16 to 50 mm<sup>2</sup>



# Tooling



Hand tool and electric machine  
for crimping chain preinsulated end  
sleeves

## Crimping of chain preinsulated end sleeves

### Hand tool for crimping chain preinsulated end sleeves

- Cut and strip wires and crimp 0.5 to 2.5 mm<sup>2</sup> end sleeves
- Only one tool for 3 functions to save time

#### General features

- Cut and strip wires without starting crimping end sleeves
- Crimping of end sleeves by strips of 50 from 0.5 to 1.5 mm<sup>2</sup> and by strips for 2.5 mm<sup>2</sup>
- Crimping of end sleeves in compliance with DIN 46228 and NF C 63-023 standards
- Automatic lead of end sleeves
- Fast adjusting of crimping section
- The three operations are carried out without release of tool or wire
- Stripping is carried out automatically without any adjusting
- Length: 210 mm
- Weight: 0.260 Kg

0.5 to 2.5 mm<sup>2</sup>



Item code	Part number
7500074	PZL 025



### Electric machine for crimping end sleeves tape mounted

- Automatic stripping of wires and crimping of preinsulated end sleeves tape mounted from 0.5 to 2.5 mm<sup>2</sup>

0.5 to 2.5 mm<sup>2</sup>



#### General features

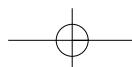
- Crimping of end sleeves in compliance with DIN 46228 and NF C 63-023 standards
- Delivered with 5 loading units, 5 crimping inserts and 5 spare separators
- Mains supply: 220 V - 50 Hz
- Cycle: approx. 1.5 s
- Conductor size changing: approx. 10 s
- Counter: LCD display
- Dimensions: 165 x 270 x 320 mm
- Weight: 12 Kg



Item code	Part number
7490101	MC 25

CE





# Tooling



## Pneumatic crimpers for loose end sleeves

### Crimping of loose end sleeves

#### Pneumatic crimpers for crimping loose end sleeves

- Crimping of end sleeves from 0.25 to 2.5 mm<sup>2</sup>
- For production work
- Safe and regular crimping

##### General features

- Universal die for conductor sizes from 0.25 to 2.5 mm<sup>2</sup>
- Axial and lateral lead in
- Light and ergonomic tool
- Crimping in compliance with NF C 63-023 and DIN 46228 standards
- Body in black insulating material
- Processed steel grip
- Length x diameter: 190 x 44 mm
- Weight: 0.450 Kg
- Working pressure: 4 to 6 bars

Item code	Part number
7513001	AC25



Front feed for crimping insulated or non insulated end sleeves

Side feed for fast crimping with guiding cone of insulated end sleeves

#### Foot operated pneumatic tool for crimping loose end sleeves

- Foot operated
- Crimping of end sleeves from 0.25 to 2.5 mm<sup>2</sup>
- Easy crimping for medium and large series
- Hands remain free for handling

##### General features

- Dimensions: 135 x 200 x 75 mm
- Weight: 1 Kg
- Working pressure: 4 to 6 bars

Item code	Part number
7513003	AC25T



#### Pneumatic crimpers for crimping loose end sleeves

- Crimping of end sleeves from 4 to 10 mm<sup>2</sup>
- For production work
- Safe and regular crimping

##### General features

- Universal die for conductor sizes from 4 to 10 mm<sup>2</sup>
- Light and ergonomic tool
- Crimping in compliance with NF C 63-023 and DIN 46228 standards
- Body in black insulating material
- Processed steel grip
- Length x diameter: 190 x 44 mm
- Weight: 0.450 Kg
- Working pressure: 4 to 6 bars

Item code	Part number
7513002	AC100



Side feed for fast crimping with guiding cone of insulated end sleeves

#### Foot operated pneumatic crimpers for crimping loose end sleeves

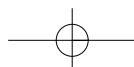
- Foot operated
- Crimping of end sleeves from 4 to 10 mm<sup>2</sup>
- Easy crimping for medium and large series
- Hands remain free for handling

##### General features

- Dimensions: 135 x 200 x 75 mm
- Weight: 1 Kg
- Working pressure: 4 to 6 bars

Item code	Part number
7513004	AC100T





# Tooling



## Hand tool with interchangeable dies

### Hand tool with interchangeable dies

- Can be used with all dies described below

#### General features

- PVC insulated handles
- Safety rack
- Length: 250 mm
- Weight: 0.480 Kg

Item code	Part number
7500064	061147



### Interchangeable dies

#### Item code : 7513 042 / Part number : RQ 0560

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors from 0.5 to 6 mm<sup>2</sup>, NF C 20-130 and CLASSIC series.

0.5 to 6 mm<sup>2</sup>



#### Item code : 7513 043 / Part number : RQ 10

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors of 10 mm<sup>2</sup>, NF C 20-130 and CLASSIC series.

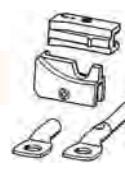
10 mm<sup>2</sup>



#### Item code : 7513 044 / Part number : RQ 16

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors of 16 mm<sup>2</sup>, NF C 20-130 and CLASSIC series.

16 mm<sup>2</sup>



#### Item code : 7513 046 / Part number : RK 1060

- Hexagonal crimping of non insulated copper tubular lugs and connectors from 1 to 6 mm<sup>2</sup>, NF C 20-130 and CLASSIC series.

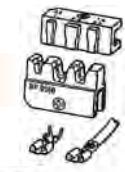
1 to 6 mm<sup>2</sup>



#### Item code : 7513 045 / Part number : RP 0560

- Crimping of non insulated terminals and disconnects from 0.5 to 6 mm<sup>2</sup>.

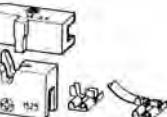
0.5 to 6 mm<sup>2</sup>



#### Item code : 7513 050 / Part number : RP 0421S

- Crimping of non insulated flag receptacles from 0.25 to 1.5 mm<sup>2</sup>.

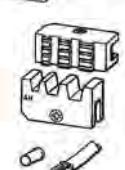
0.5 to 1.5 mm<sup>2</sup>



#### Item code : 7513 039 / Part number : AH 2560

- Crimping of end sleeves from 0.25 to 6 mm<sup>2</sup>.

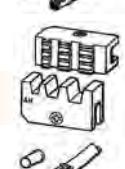
0.25 to 6 mm<sup>2</sup>

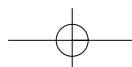


#### Item code : 7513 065 / Part number : AH 6016

- Crimping of 6, 10 and 16 mm<sup>2</sup> end sleeves.

6, 10 and 16 mm<sup>2</sup>





# Tooling



## Pneumatic crimping tooling

### Crimping of preinsulated or non insulated products

#### Pneumatic jack

- Can be used either with T2 head for preinsulated products or T-WDT head with interchangeable dies (see below)

#### General features

- Working pressure: 7 bars
- Air consumption: 400 - 600 cm<sup>3</sup>
- Length: 270 mm
- Diameter: 45 mm
- Weight: 0.750 Kg
- Complementary equipment:
- TAP-92: support for stationary work function with foot control



Item code	Part number
7513037	AIR-O/VS

#### Crimping head

- Crimping head for preinsulated products from 0.34 to 6 mm<sup>2</sup>

0.34 to 6 mm<sup>2</sup>



#### General features

- 3 crimping indents (red, blue, yellow)
- Double indent dies enabling crimping and binding in only one operation
- Standard stopper for terminals and disconnects

Item code	Part number
7513035	T 2



#### Crimping head

- Crimping head with interchangeable dies



#### General features

- Single head receiving all dies below

Item code	Part number
7513041	T-WDT

#### Interchangeable dies

##### Item code : 7513042 / Part number : RQ 0560

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors from 0.5 to 6 mm<sup>2</sup>, NF C 20-130 and CLASSIC series



0.5 to 6 mm<sup>2</sup>

##### Item code : 7513043 / Part number : RQ 10

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors of 10 mm<sup>2</sup>, NF C 20-130 and CLASSIC series



10 mm<sup>2</sup>

##### Item code : 7513044 / Part number : RQ 16

- Indent crimping of non insulated brazed terminals, copper tubular lugs and connectors of 16 mm<sup>2</sup>, NF C 20-130 and CLASSIC series



16 mm<sup>2</sup>

##### Item code : 7513046 / Part number : RK 1060

- Hexagonal crimping of non insulated copper tubular lugs and connectors from 1 to 6 mm<sup>2</sup>, NF C 20-130 and CLASSIC series



1 to 6 mm<sup>2</sup>

##### Item code : 7513039 / Part number : AH 2560

- Crimping of end sleeves from 0.25 to 6 mm<sup>2</sup>



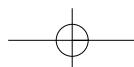
0.25 to 6 mm<sup>2</sup>

##### Item code : 7513065 / Part number : AH 6016

- Crimping of 6, 10 and 16 mm<sup>2</sup> end sleeves



6, 10 and 16 mm<sup>2</sup>



# Tooling



## Pneumatic compression tool

### Crimping of preinsulated products, end sleeves and non insulated disconnects, ...

Pneumatic compression tool for crimping of preinsulated products, end sleeves and non insulated disconnects, ...

- Universal pneumatic compression tool designed to:
- Crimping loose connections (insulated, end sleeves, non insulated, etc.)
- Other crimping or applications: cutting, punching... consult us

#### General features

- Power: 12 KN
- Working pressure: 6 bars
- Quick change die system
- Safety guard
- Stroke: 38 mm
- CE
- Weight: 16 kg

Item code	Part number
7513019	S1200T



CE



#### Interchangeable dies

Dies for end sleeves from 0.5 to 16 mm<sup>2</sup>

Item code	Part number
7513030	D200



Dies for preinsulated connexions red, blue, yellow

Item code	Part number
7513032	D300R



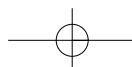
Locator for D300R die

Item code	Part number
7513010	BPD300R

Dies for non insulated disconnects from 0.5 to 6 mm<sup>2</sup>

Item code	Part number
7513029	D100

Other dies, consult us.



# Tooling



## Mechanical hand tools

### Crimping of non insulated brazed terminals, copper tubular lugs and sleeves

#### Indent crimping hand tool

- Indent crimping from 0.5 to 10 mm<sup>2</sup> brazed terminals, tubular lugs and connectors NF C 20-130 and CLASSIC series

0.5 to 10 mm<sup>2</sup>

#### General features

- PVC insulated handles
- Safety rack
- Length: 260 mm
- Weight: 0.380 Kg

Item code	Part number
7500067	MB524



#### Indent crimping hand tool

- Indent crimping from 6 to 25 mm<sup>2</sup> brazed terminals, tubular lugs and connectors NF C 20-130 and CLASSIC series

6 to 25 mm<sup>2</sup>

#### General features

- PVC insulated handles
- Safety rack
- Length: 340 mm
- Weight: 0.660 Kg

Item code	Part number
7500056	MB526



#### Indent crimping hand tool

- Indent crimping from 10 to 70 mm<sup>2</sup> tubular lugs, NF C 20-130 and CLASSIC, PR preinsulated terminals series

10 to 70 mm<sup>2</sup>

#### General features

- Industrial type with die adjusted by screw
- Length: 460 mm
- Weight: 2 Kg

For non insulated tubular lugs from 6 to 70 mm<sup>2</sup>

Item code	Part number
7501681	MY70M

For preinsulated tubular lugs from 10 to 70 mm<sup>2</sup>

Item code	Part number
7501682	MY70ME

#### Indent crimping hand tool

- Indent crimping from 10 to 120 mm<sup>2</sup> tubular lugs, NF C 20-130 and CLASSIC, PR preinsulated terminals

10 to 120 mm<sup>2</sup>

#### General features

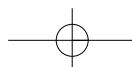
- Industrial type with die adjusted by screw
- Length: 580 mm
- Weight: 3.7 Kg

For non insulated tubular lugs from 10 to 120 mm<sup>2</sup>

Item code	Part number
7501683	MY2913GE2

For preinsulated tubular lugs from 10 to 95 mm<sup>2</sup>

Item code	Part number
7501684	MY286



# Tooling



## Mechanical hand tools

### Crimping of non insulated brazed terminals, copper tubular lugs and connectors

#### Hexagonal crimping hand tool

- Hexagonal crimping from 6 to 50 mm<sup>2</sup> copper tubular lugs and connectors

##### General features

- Conductor size adjustment by rotating dies
- Length: 400 mm
- Weight: 1.305 Kg
- Box on request, Item code CPTN 50 HX

6 to 50 mm<sup>2</sup>



#### Hexagonal crimping hand tool

- Hexagonal crimping from 6 to 120 mm<sup>2</sup> copper tubular lugs and connectors (except MD120D : 10 to 120 mm<sup>2</sup>)

##### General features

- Conductor size adjustment by rotating dies
- Length: 660 mm - Weight: 3.000 kg
- Box on request - Item code : 7 503 154 / Part number : CMTN 120 HX

6 to 120 mm<sup>2</sup>



#### Double indent crimping hand tool

##### General features

- Power: 25 KN
- Double indent crimping
- Mechanical tool operated with one hand
- Tipping head
- Fast lead system for punch and rotating die
- Length: 300 mm
- Weight: 1.3 Kg
- Delivered in metal box

10 to 50 mm<sup>2</sup>



6 to 35 mm<sup>2</sup>



#### Hexagonal crimping hand tool

- Crimping of non insulated copper tubular lugs and connectors from 10 to 70 mm<sup>2</sup> (NF C 20-130 series)

##### General features

- Power: 25 KN
- Mechanical tool operated with one hand
- Tipping head
- Female mould hexagonal dies stated below
- Fast lead system
- Length: 270 mm
- Weight: 1.2 Kg
- Delivered in metallic box

6 to 70 mm<sup>2</sup>

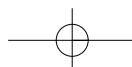


Female mould hexagonal dies

Item code	Part number
7 506 130	MRD26T*

Item code	7 506 140	7 506 140	7 506 150	7 506 160	7 506 170	7 506 180	7 506 190
Part number	D2HCU6	D2HCU10	D2HCU16	D2HCU25	D2HCU35	D2HCU50	D2HCU70
Conductor size	6	10	16	25	35	50	70

\* Please advise punch and die types when ordering.



## Tooling



### 40 kN Mechanical hand tool 35 kN Hydraulic hand compression tool

#### Crimping of tubular lugs and connectors, preinsulated tubular lugs (YAEV) and C type connectors

Light tool for compressing Cu-CU, Al-Al and Al-Cu terminals, splices and tap-off connectors with interchangeable dies type "W". Equipped with wooden handles and dies type BG and D3.

##### General features

- Power: 40 kN
- Length: 645 mm
- Weight: 2.7 kg

With D3 and BG groove

Item code	Part number
7504050	MD6

With O and D3 groove

Item code	Part number
7504052	MD6-8

With D3 groove

Item code	Part number
7504051	MD6-6

Metal box on request

Item code	Part number
7504053	CMM6

6 to 120 mm<sup>2</sup>



crimping dies see page :....

### For crimping of copper tubular lugs and butt connectors

#### PHD35 hydraulic hand compression tool

Light and ergonomic hydraulic hand compression tool enables crimping (with one hand) of copper tubular lugs and butt connectors CT series from 4 to 150 mm<sup>2</sup>, YCA series from 6 to 95 mm<sup>2</sup> and YAV-DM/DE... series from 6 to 150 mm<sup>2</sup>.



##### General features

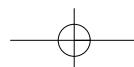
- Single gear pump
- Power: 35 kN
- Fast closing and opening head rotates through 360°
- Automatic release with audible click when the 35 kN power is reached
- Ram return by a decompression lever
- Weight : 1.370 kg
- Dimensions: 215 x 50 x 175 mm
- Tool delivered with a plastic box which can accommodate 10 sets of dies.



Item code	Part number
7500650	PHD35

Hexagonal dies for lugs and butt connectors : CT, YCA and YAV-DM/DE...series, see page :....

Crimping capacity		Products series	Sections (mm <sup>2</sup> )	Die P / N	Types of dies
Copper tubular lugs and sleeves		CT	4 - 150	D35HCU...	
		YAVDM / DE	6 - 150	D35R...	
		YCA	6 - 95	D35K...	



# Tooling



## 50 kN Mechanical hand compression tool

**For crimping of tubular lugs, connectors and butt connectors**

### PMM1 mechanical hand tool



#### General features

- Power: 50 kN
- Fast closing and opening head
- Quick change die system
- Ratchet controlled mechanism ensures a complete crimping operation
- PVC insulated handles
- Single sided or reversible dies
- Length: 420 mm
- Weight: 2 kg

Item code	Part number
7504 001	MRD50

#### Accessories\*

- Box

Item code	Part number
7504 002	CMMRD50

- Gauge

Item code	Part number
7504 003	PGM 1

#### Crimping capacity

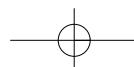
	Conductor size (mm <sup>2</sup> )	Dies PN	Types of dies
Brazed terminals	6-120	D5 MUJ...	
Non insulated tubular lugs and butt connectors	4-120 6-150 6-150	D5 HCU... D5 ECU... D5 R	
"C" type connectors	C6-C35	D5 HCU...	
Aluminium/copper industrial lugs	35-120	D5 E...	
Connectors for insulated networks	6-150	D5 E...	
Connectors for networks: copper/aluminium non insulated lines	93.3 max	D5 E...	
Indenting aluminium copper and aluminium networks	—	—	
Aluminium and copper rounding	25-150	D5 MR	

Crimping dies: see page



CMM 1

\* accessories and dies to be ordered separately.



# Tooling



## 50 kN Hydraulic hand compression tool

For crimping of tubular lugs, connectors and butt connectors

HVD51 hydraulic hand tool



### General features

- Single gear pump
- Power: 50 kN
- Adjustable ram start position for quicker operating cycle (patented system)
- Fast closing and opening head rotates through 180°
- Automatic pressure release
- Ram return by a decompression lever
- Single sided or reversible dies
- Length: 370 mm
- Weight: 1.900 kg

Item code	Part number
7512805	HVD 51

Crimping capacity		Products series	Section (mm²)	Section (mm²)	Types of dies
Non insulated brazed terminals		MB	6 - 120	D5MUJ... / D5PUJ	
		BY			
Copper tubular lugs and sleeves		CT	4 - 150	D5HCU...	
		YAVDM / DE	6 - 185	55MH... / D5R...	
		YCA	6 - 120	50MH... / D5K...	
Aluminium-copper lugs hexagonal type		CU	6 - 150	D5ECU	
Aluminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 120		

Crimping dies: see page

### Accessories\*

- Box

Item code	Part number
7512806	CPHVD 51

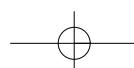
- Inspection dynamometer

Item code	Part number
7512089	DY 50-65 CM



CPHVD 51

\* accessories and dies to be ordered separately.



# Tooling



50 kN Cordless electro-hydraulic compression tool

## For crimping of tubular lugs, connectors and butt connectors

ED52 Hydraulic compression tool with integral electric motor



### General features

- Power: 50 kN
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, NiCd or Ni-MH type
- Double pressure stage (fast advance system)
- Ram return to assist with any necessary corrections of alignment prior to the crimping procedure
- Audible "click" and automatic release of pressure when crimping has been completed
- LED indicating the battery status
- Crimping capacity: 220 to 450 crimping operations with a 3 Ah new battery
- Crimping time: 2 to 4 s
- Operating temperature: from -15°C to + 40°C
- Dimensions: 340 x 315 x 75 mm with battery
- Weight: 3.6 kg with battery

Item code	Part number
7512131	ED 52

### Accessories\*

- Carrying case



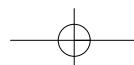
Item code	Part number
7512129	CMED 52



Crimping capacity		Products series	Section (mm²)	Section (mm²)	Types of dies
Non insulated brazed terminals		MB	6 - 120	D5MUJ... / D5PUJ	
		BY			
Copper tubular lugs and sleeves		CT	4 - 150	D5HCU...	
		YAVDM / DE	6 - 185	55MH... / D5R...	
		YCA	6 - 120	50MH... / D5K...	
		CU	6 - 150	D5ECU	
Aluminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 120		

Crimping dies: see page

\* Batteries, chargers and accessories to be ordered separately, see page 189.



Tooling



## 54 kN Hydraulic hand tool

For crimping of Cu Alu and Cu-Al terminals, splices and connectors

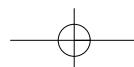
General features

- Tool for compressing Cu-Cu, Al-Al and Cu-Al terminals, splices and tap-off connectors with interchangeable dies type "W".
- Supplied with "D3" type die.
- Compact tool and lightweight. It is suitable for use in difficult access zones. Special design type latch.
- Equipped with ergonomic arms and audible "Click" ratchet.
- 180° head rotation
- Power: 54KN
- Delivered in a plastic box
- Length: 383mm
- Weight: 2.7Kg
- Supplied in carrying case with dies compartment.

Item code	Part number
7512809	Y500CT

Crimping capacity		Products series	Section (mm <sup>2</sup> )	Section (mm <sup>2</sup> )	Types of dies
Non insulated brazed terminals		BY	10 - 120	WV / WP	
Copper tubular lugs and sleeves		YAVDM / DE	6 - 185	WDGE1T	
		YCA	6 - 185	WDKT	
		YAV	10 - 185	W...	
		CTUCF	6 - 150	WS...	
Preinsulated tubular lugs and sleeves		YAEV	10 - 120	W...ET	
C type connectors		C / YC	6 - 70	W...	

Crimping dies: see page



# Tooling



## 60 kN Hydraulic hand tools and compression head

For crimping of DIN and VDE lugs and butt connectors

### HCN60 hydraulic hand compression tool



#### General features

- Power: 60 kN
- Two gear pump
- 180° rotating head
- Length: 462 mm
- Weight: 3.400 Kg
- Box on request:  
Item code: 7512116 / Part number: CMHCN 60

Item code	Part number
7512117	HCN60



CMHCN 60

### SCN60 hydraulic quick release compression head



#### General features

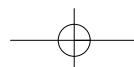
- Max. pressure: 700 bars
- Power: 60 kN
- Length: 290 mm
- Weight: 1.500 Kg
- For connection to hydraulic pumps and group hydraulic: see pages
- Fitted with a semi-coupler (please state type, see page)
- Box on request:  
Item code: 7512119 / Part number: CMSCN 60

Item code	Part number
7512118	SCN60K
7512139	SCN60E
7512140	SCN60X
7512137	SCN60MK

### Dies for HDN60, HCN60 and SCN60 tools

Crimping capacity	Products series	Section (mm²)	Section (mm²)	Types of dies
Copper tubular lugs and sleeves	YAVDM / DE	6 - 300	N6R...	
	YCA	6 - 240	N6K...	
	DEF	10 - 185	N6F...	

Crimping dies: see page



# Tooling



60 kN Hydraulic hand tool  
and compression head

For crimping of tubular lugs and butt connectors  
NFC 20130, DIN and VDE, and alu/copper lugs

HDC60 hydraulic hand compression tool



**General features**

- Power: 60 kN
  - Two gear pump
  - 180° rotating head
  - Length: 460 mm
  - Weight: 2.700 kg
  - Box on request:
- Item code: 7512111 / Part number: CMHDC 60

Item code	Part number
7512110	HDC60



CMHDC 60

SDC60 hydraulic quick release compression head



**General features**

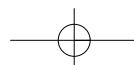
- Max. pressure: 700 bars
  - Power: 60 kN
  - Length: 258 mm
  - Weight: 1.700 kg
  - Box on request:
- Item code: 7512141 / Part number: CMSDC 60
- For connection to hydraulic pumps and group hydraulic:  
see pages
- Fitted with a semi-coupler  
(please state type, see page )

Item code	Part number
7512133	SDC60K
7512134	SDC60E
7512135	SDC60X
7512136	SDC60MK

Dies for HDC60 and SDC60 compression tools

Crimping capacity	Products series	Section (mm <sup>2</sup> )	Section (mm <sup>2</sup> )	Types of dies
Non insulated brazed terminals	MB			
	BY	10 - 120	C6DMB	
Copper tubular lugs and sleeves	CT	6 - 300	C6HCU...	
	YAVDM / DE	10 - 300	C6R...	
	YCA	6 - 240	C6K...	
	DEF	10 - 300	C6F...	
	CU	6 - 240	C6ECU...	
Preinsulated tubular lugs and sleeves	C / YC	6 - 35	C6...	
C type connectors	ICAU / ICAUC	35 - 300	C6E...	

Crimping dies: see page



# Tooling



## 60 kN Cordless electro-hydraulic compression tool

**For crimping of tubular lugs and butt connectors  
NFC 20130, DIN and VDE, and alu/copper lugs**

### EDC62 Hydraulic compression tool with integral electric motor



#### General features

- Power: 60 kN
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, NiCd or Ni-MH type
- Double pressure stage (fast lead system)
- Ram return to assist with any necessary corrections to alignment prior to the crimping procedure
- Audible "click" and automatic release of pressure when crimping has been completed
- LED indicating the battery status
- Crimping capacity: 220 to 450 crimping operations with a 3 Ah new battery
- Crimping time: 2 to 4 s
- Operating temperature: from -15°C to + 40°C
- Dimensions: 340 x 315 x 75 mm with battery
- Weight: 4.350 kg with battery

Item code	Part number
7512113	EDC 62



CMEDC 62

Item code	Part number
7512123	CMEDC 62

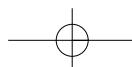


#### Crimping capacity

Conductor size (mm <sup>2</sup> )	Dies PN	Types of dies
10-120	C6 DMB...	
6-300	C6 R...	
6-240	C6 K...	
10-185	C6 F...	
6-300	C6 HCU...	
35-300	C6 E...	
C10-C35	C6 HCU...	
—	—	
10-240	C6 DR...	

Crimping dies: see page

\* Batteries, chargers and accessories to be ordered separately, see page .



# Tooling



70kN Mechanical hand tool, 80 kN  
Hydraulic hand tool and compression  
head

For crimping of tubular lugs, alu/copper lugs,  
butt connectors and connectors

## PMM2 mechanical hand tool

### General features

- Power: 70 kN
- Quick change die system
- Ratchet controlled mechanism ensures a complete crimping operation
- PVC insulated handles
- Single or reversible interchangeable dies
- Length: 685 mm
- Weight: 4.600 kg

Item code	Part number
7504011	MRH70



CMMRH70

- Box on request:  
Item code: 7504012 / Part number: CMMRH70
- Inspection possibility with gauge:  
Item code: 7504013 / Part number: PGM 2



## HH80 hydraulic hand tool

### General features

- Two gear pump
- Power: 80 KN
- Automatic pressure release
- PVC insulated handles
- Single sided or reversible dies
- Length: 590 mm
- Weight: 4.900 Kg

Item code	Part number
7512801	HH 80



CMHH 80

- Box on request:  
Item code: 7512802 / Part number: CMHH 80



## SH80CM quick release hydraulic compression head



### General features

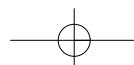
- Power: 80 kN
- Connectable to 700 bar hydraulic pump
- Length: 210 mm
- Weight: 2.350 Kg
- Delivered in metal box
- Fitted with a semi-coupler  
(please state type, see page 200)

Item code	Part number
7510101	SH 80K CM
7510102	SH 80E CM
7510103	SH 80X CM
7510100	SH 80MK CM

## Dies for PMM2, HH80 and SH80CM compression tools

Crimping capacity	Products series	Section (mm <sup>2</sup> )	Section (mm <sup>2</sup> )	Types of dies
Copper tubular lugs and sleeves	CT	6 - 300	C6HCU...	
	YAVDM / DE	10 - 300	C6R...	
C type connectors	C / YC	6 - 50	H8...	
Aluminium-copper lugs hexagonal type	ICAU / ICAUC	35 - 300	H8E...	

Crimping dies: see page



# Tooling



80 kN Cordless electro-hydraulic compression tool

For crimping of tubular lugs, alu/copper lugs, butt connectors and connectors

EDC82 Hydraulic compression tool with integral electric motor



#### General features

- Power: 80 kN
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, NiCd or Ni-MH type
- Double pressure stage (fast advance system)
- Ram return to assist with any necessary correction of alignment prior to the crimping operation
- Audible "click" and automatic release of pressure when crimping has been completed
- LED indicating the battery status
- Crimping capacity: 95 to 190 crimping operations with a 3 Ah new battery
- Crimping time: 3 to 6 s
- Operating temperature : from -15°C to + 40°C
- Dimensions: 340 x 315 x 75 mm with battery
- Weight : 4.350 Kg with battery

Item code	Part number
7512078	EDC 82



CMEDC 82

Item code	Part number
7512079	CMEDC 82

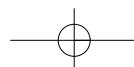
#### Dies for EDC82 compression tools

Crimping capacity	Products series	Section (mm²)	Section (mm²)	Types of dies
Copper tubular lugs and sleeves	CT	6 - 300	C8HCU...	
C type connectors	C / YC	6 - 50	C6HCU...	
Aluminium-copper lugs hexagonal type	ICAU / ICAUC	35 - 300	C6E...	

Crimping dies: see page



\* Batteries, chargers and accessories to be ordered separately, see page .



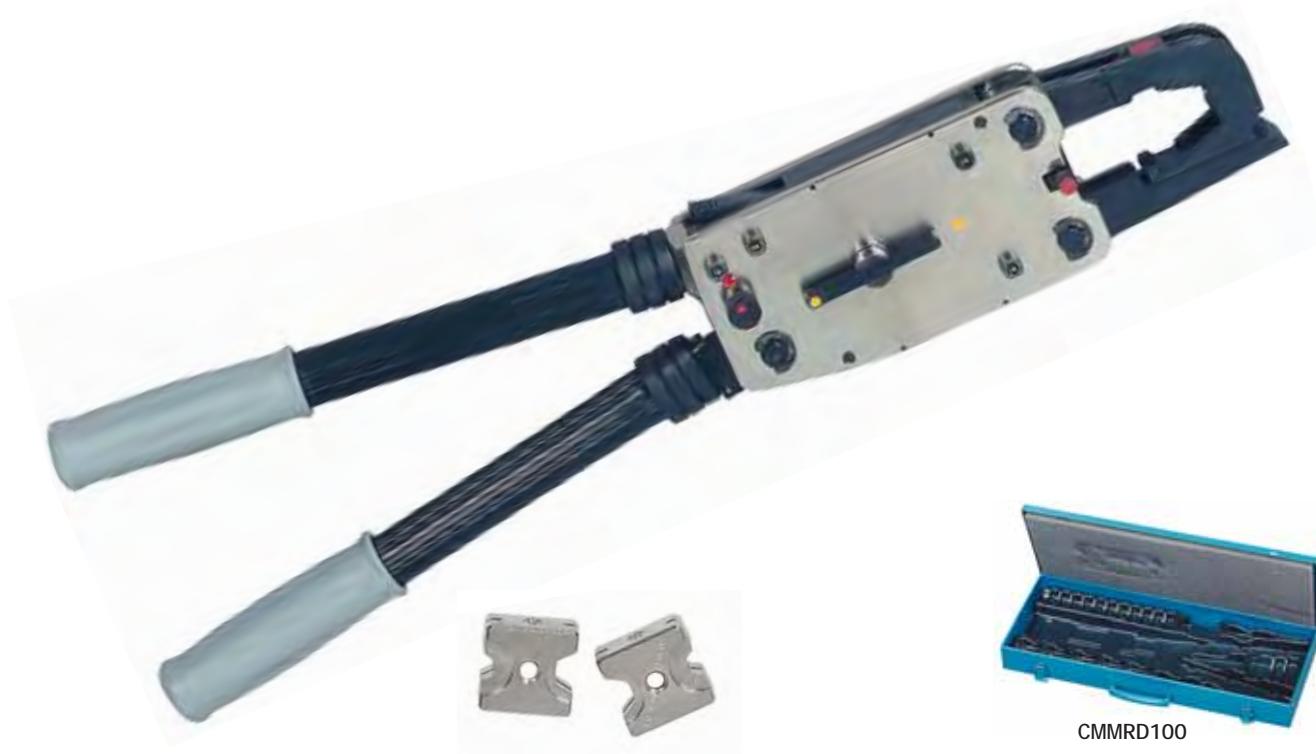
# Tooling



100 kN mechanical hand tool

## Crimping of tubular lugs, splices and connectors

Mechanical hand tool MRD100



### General features

- Power: 100 kN
- Quick change die system
- Ratchet controlled mechanism ensures a complete crimping operation
- Opening head
- PVC insulated handles
- Single or reversible interchangeable dies
- Length: 540 mm
- Weight: 4.200 kg

Item code	Part number
7504 031	MRD100

### Accessories

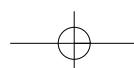
- Box:

Item code	Part number
7504 032	CMMRD100

### Dies for EDC82 compression tools

Crimping capacity		Products series	Section (mm <sup>2</sup> )	Section (mm <sup>2</sup> )	Types of dies
Copper tubular lugs and sleeves		CT	35 - 300	D10HCU...	
C type connectors		C / YC	16 - 50	D10HCU...	
Aluminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 300	D10E...	

Crimping dies: see page



# Tooling



## 120 kN Hydraulic hand tool compression head

### Crimping for tubular lugs, aluminium-copper lugs, splices and connectors

HC 120 hydraulic hand compression tool



- Box on request:

#### General features

- Power: 120 kN
- Two gears pump
- "C" shape head, rotating on 180°
- Automatic pressure release
- PVC insulated handles
- Half-round dies
- Length: 690 mm
- Weight: 6.000 kg

Item code	Part number
7512010	HC 120



CPHC 120

Item code	Part number
7512011	CPHC 120

## SC 120 CM hydraulic compression head



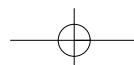
#### General features

- Power: 120 kN
- "C" shape head
- To be connected to 700 bar hydraulic pump: see page
- Length: 185 mm
- Weight: 3.800 kg
- Delivered in a metal box
- Fitted with a semi-coupler (please state type: see page )

Item code	Part number
7510111	SC 120K CM
7510112	SC 120E CM
7510113	SC 120X CM
7510114	SC 120MK CM

Crimping capacity		Products series	Section (mm²)	Section (mm²)	Types of dies
Non insulated brazed terminals		BY	12 - 240	UVB... + Y35P1...	
		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
Copper tubular lugs and sleeves		CU	6 - 300	C12ECU...	
		YAV	10 - 400	U...BGE1T	
			10 - 300	U...C + Y35P1	
		CTUCF	6 - 240	USB	
			10 - 240	U...C + Y35P1	
Preinsulated tubular lugs and sleeves		YAEV	10 - 120	U...ET	
C type connectors		C / YC	6 - 185	C12... / U...	
Aluminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page



## Tooling



### 120 kN Hydraulic hand tools and compression head

For crimping of Cu, Al and Al-Cu terminals, splices and connectors

#### General features

- Tool for compressing Cu and Al terminals, splices and tap-off connectors.
- Use of interchangeable U type dies for multiple applications. Rapidram advance rotating handle provided with a fast forward piston and easy die change accomplished with push button die locks.
- Reliable connections, controlled by means of a safety valve calibrated in factory.
- A wide range of dies are available to install a great number of connectors.
- 180° head rotation
- Power: 120kN
- Ram stroke: 24.1mm
- Supplied in a metal box which has placement for dies
- Length: 575mm
- Weight: 6Kg

Item code	Part number
7512013	Y35



#### General features

- Remote head with the same technical characteristics as the Y35 tool.
- Standard male connector of 3/8 "NPT" (MK assembly), for connecting to 700 bars pumps.
- For other connections consult the couplers section from the "Accessories" chapter.
- Power: 120kN
- Length: 240mm
- Weight: 3Kg
- Supplied in a metal box.

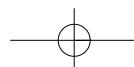


Y35BH

Crimping capacity		Products series	Section (mm <sup>2</sup> )	Section (mm <sup>2</sup> )	Types of dies
Non insulated brazed terminals		BY	12 - 240	UVB... + Y35P1...	
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 400	U...BGE1T	
			10 - 300	U...C + Y35P1	
		CTUCF	6 - 240	USB	
			10 - 240	U...C + Y35P1	
Preinsulated tubular lugs and sleeves		YAEV	10 - 120	U...ET	
C type connectors		C / YC	6 - 185	C12... / U...	
Aluminium-copper lugs hexagonal type		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page

Item code	Part number
7512014	Y35BH



Tooling



## Hydraulic compression head

For crimping of tubular lugs and connectors

General features

- Compact crimping head with 50.8mm opening that accepts interchangeable dies type "P".
- Standard male connector of 3/8 "NPT" (MK assembly), for connecting to 700 bars pumps.
- For other connections consult the couplers section from the "Accessories" chapter.
- Supplied in metal box.
- Power: 136KN
- Length: 381mm
- Weight: 7.3Kg

Use of interchangeable U / C12 type dies for multiple applications using adaptor: PUADP1

dies type "P-U/C12": see page :...

Item code	Part number
7510120	Y46

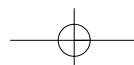


Y 46

## Dies for Y46 compression tools

Crimping capacity		Products series	Section (mm <sup>2</sup> )	Section (mm <sup>2</sup> )	Types of dies
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 700	U...BGE1T	
			10 - 300	U...C + Y35P1	
			350 - 800	P...D + P44PR	
C type connectors		C / YC	6 - 240	C12... / U... / P...	

Crimping dies: see page



# Tooling



120 kN Cordless electro-hydraulic compression tool

## Crimping of tubular lugs, aluminium-copper lugs, splices and connectors

EC 127 hydraulic compression tool with integrated electric motor



### General features

- Power: 120 kN.
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, Ni-Cd or Ni-MH type.
- Double pressure stages (fast advance system).
- Ram return to assist with any necessary corrections to alignment prior to the crimping procedure
- Audible "click" and automatic release of pressure when crimping has been completed
- LED indicating the battery status
- Crimping capacity: 60 to 120 crimping operations with a 3 Ah new battery
- Crimping time: 5 to 10 s
- Operating temperature: from -15°C to + 40°C
- Dimensions: 385 x 315 x 75 mm with battery
- Weight: 6.280 kg with battery

Item code	Part number
7511 990	EC 127

### Accessories\*

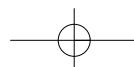
- Carrying box



Item code	Part number
7511 991	CMEC 127



\* Batteries, chargers and accessories to be ordered separately, see page .



# Tooling



## 20 kN Hydraulic hand compression tool

### Crimping of tubular lugs, aluminium-copper lugs, splices and connectors

#### HU 137 hydraulic hand compression tool



##### General features

- Power: 120 kN
- Two stage pump
- "U" shape opened head, rotating 180°
- Automatic release
- PVC insulated handles
- Dies type C12... ou U13
- Length: 690 mm
- Weight: 6 kg
- Adaptator for female mould dies type C12...:  
Item code: 7511998 / Part number: U137C12

Item code	Part number
7512006	HU 137

- Box on request:



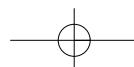
CPHU 135-137

Item code	Part number
7512005	CPHU 135-137

Crimping capacity		Products series	Section (mm²)	Section (mm²)	Types of dies
Non insulated brazed terminals		BY	10 - 240	UVB... + Y35P1	
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U... DGE1T...	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 400	U...BGE1T	
			10 - 300	U...C + Y35P1	
Preinsulated tubular lugs and sleeves		CTCUF	6 - 240	USB...	
			10 - 240	U...C + Y35P1	
Preinsulated tubular lugs and sleeves		YAEV	10 - 120	U...ET	
Preinsulated tubular lugs and sleeves		C / YC	6 - 70	C12... / U...	
C type connectors		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page

This tool can also be used with dies U13... of SU 133/SU 134 (pages ).



# Tooling



## 120 kN Hydraulic hand tool and compression head

**For crimping of Cu and Al terminals, splices and tap-off connectors.**

**Universal head, the Y39E1E compresses the same range of connectors as the Y35tool, also accept dies types U13MC / U13MJ... according to NFC33090-4.**

- Rapid ram advance by rotating handle, provided with a fast forward piston and easy die change accomplished with push button die locks.
- Reliable connections, controlled by means of a safety valve calibrated in factory. A wide range of dies are available to install a great number of connectors.

### General features

- Gyratory crimping head of 180°
- Power: 120kN
- Length: 575 mm
- Weight: 9.2 Kg

- Supplied in a metal box which has placement for dies.  
Use of interchangeable U / C12 type dies for multiple applications using adaptor

Item code	Part number
7512008	Y39E1E



Y39E1E

Crimping capacity		Products series	Section (mm²)	Section (mm²)	Types of dies
Non insulated brazed terminals		BY	12 - 240	UVB... + Y35P1...	
		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U...DGE1T	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 400	U...BGE1T	
			10 - 300	U..C + Y35P1	
		CTUCF	6 - 240	USB	
			10 - 240	U..C + Y35P1	
Copper tubular lugs and sleeves		YAEV	10 - 120	U..ET	
		C / YC	6 - 185	C12... / U...	
		ICAU / ICAUC	35 - 300	C12E...	
Preinsulated tubular lugs and sleeves					
C type connectors					
Aluminium-copper lugs hexagonal type					

Crimping dies: see page

**Remote head with the same technical characteristics as the Y39E1E tool. Universal head, the Y39E1E compresses the same range of connectors as the Y35tool, also accept dies types U13MC / U13MJ... according to NFC33090-4.**

- Standard male connector of 3/8 "NPT" (MK assembly), for connecting to 700 bars pumps.
- For other connections consult the couplers section from the "Accessories" chapter.

### General features

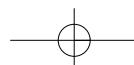
- Power: 120 kN
- Length: 235 mm
- Weight: 2.6 Kg

Use of interchangeable U / C12 type dies for multiple applications using adaptor.

Item code	Part number
7512009	Y39E1BHE



Y39E1BHE



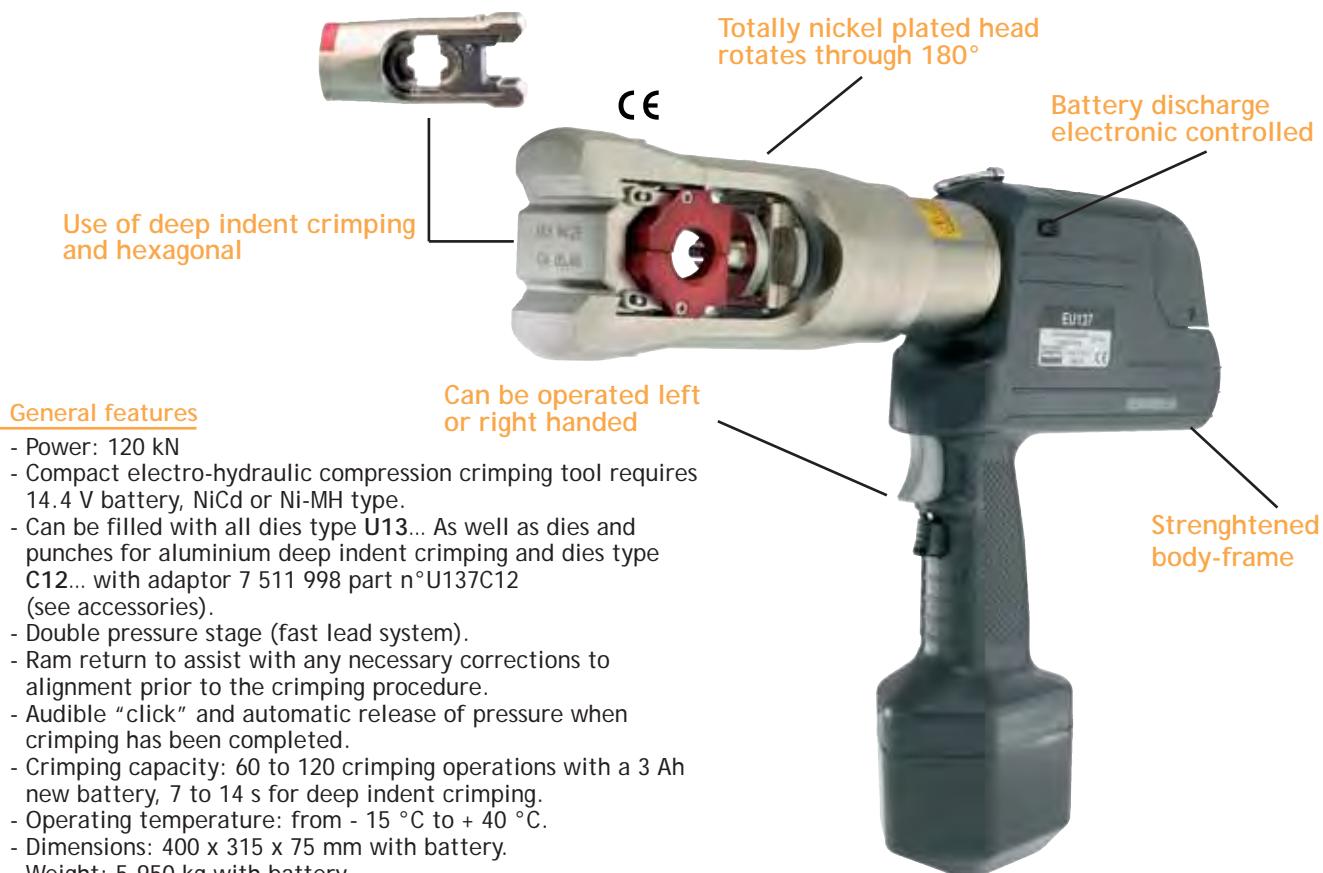
# Tooling



120 kN Cordless electro-hydraulic compression tool

## Crimping of tubular lugs, aluminium-copper lugs, splices and connectors

EU 137 hydraulic compression tool with integrated electric motor



### General features

- Power: 120 kN
- Compact electro-hydraulic compression crimping tool requires 14.4 V battery, NiCd or Ni-MH type.
- Can be filled with all dies type U13... As well as dies and punches for aluminium deep indent crimping and dies type C12... with adaptor 7 511 998 part n°U137C12 (see accessories).
- Double pressure stage (fast lead system).
- Ram return to assist with any necessary corrections to alignment prior to the crimping procedure.
- Audible "click" and automatic release of pressure when crimping has been completed.
- Crimping capacity: 60 to 120 crimping operations with a 3 Ah new battery, 7 to 14 s for deep indent crimping.
- Operating temperature: from - 15 °C to + 40 °C.
- Dimensions: 400 x 315 x 75 mm with battery.
- Weight: 5.950 kg with battery.

Item code	Part number
7511995	EU 137

### Accessories\*

Adaptor for dies type C12...

Item code	Part number
7511998	U 137 C12

- Carrying box



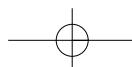
Item code	Part number
7511996	CMEU 137



Crimping capacity		Products series	Section (mm²)	Section (mm²)	Types of dies
Non insulated brazed terminals		BY	10 - 240	UVB... + Y35P1	
Copper tubular lugs and sleeves		CT	6 - 400	C12HCU...	
		YAVDM / DE	6 - 300	C12R... U... DGE1T...	
		YCA	6 - 300	C12K... UDK...	
		CU	6 - 300	C12ECU...	
		YAV	10 - 400 10 - 300	U...BGE1T U...C + Y35P1	
		CTCUF	6 - 240 10 - 240	USB... U...C + Y35P1	
Preinsulated tubular lugs and sleeves		YAEV	10 - 120	U...ET	
Preinsulated tubular lugs and sleeves		C / YC	6 - 70	C12... / U...	
C type connectors		ICAU / ICAUC	35 - 300	C12E...	

Crimping dies: see page

\* Batteries, chargers and accessories to be ordered separately, see page .



# Tooling



Batteries, chargers and accessories  
for cordless electro-hydraulic  
compression tools

## For electro-hydraulic compression tools ED 52, EDC 62, EDC 82, EC 127, EU 137, cable-cutter EK 50, hollow punches EEP 72A

### Ni-Cd batteries for cordless electro-hydraulic compression tools

#### General features

- Ni-Cd battery: 14.4 V - 2 A/h
- Weight: 0.700 kg

Item code	Part number
7512107	BA 1420

- As BA1420 with a 5 LEDs charge level indicator and an integrated circuit counting recharging times.
- Weight: 0.700 kg

Item code	Part number
7512125	BA 1420 X



### Ni-MH batteries for cordless electro-hydraulic compression tools

#### General features

- Ni-MH battery: 14.4 V - 3 A/h
- Weight: 0.800 kg

Item code	Part number
7501680	BB 1430



### Fast charger for Ni-Cd battery, BA 1420 and BA 1420X (60 mn)

#### General features

- Charging current: 1.5 A.
- Mains voltage: 230 V AC 50 / 60 Hz.
- Automatic charge stop with temperature control with safety fuse.
- Use: Europe without United Kingdom.

Item code	Part number
7512103	CT 1415 HC



### Very fast charger for Ni-Cd battery, BA 1420 and BA 1420X (25 mn) and Ni-MH battery, BB 1430 (45 mn)

#### General features

- Charging current adjusted from 5.65 to 1.5 A.
- Mains voltage: 230 V AC 50 / 60 Hz.
- Reconditionning function by discharge automatically followed with a charging time for a battery with memory effect.
- Automatic charge stop by  $\Delta V$  detection, with protection by battery temperature control.
- Use: Europe without United Kingdom.

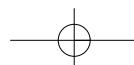
Item code	Part number
7512000	CH 1457 HC



### Miscellaneous

- Shoulder strap.
- Inspection dynamometer according to tools.

Item code	Part number
7512088	CDC 2
Please contact us	-



# Tooling



## 130 to 200 kN Hydraulic crimping heads

### Crimping of copper tubular lugs, splices and connectors

#### Hydraulic crimping head SU 133 / SU 134



- SU 134: basic model without die locking system
- SU 133: with die locking system

##### General features

- Power: 130 kN
- Corrosion preventive protection: nickel plated finish and chromium plated piston
- To be connected hydraulic pump 700 bars (see page )
- Length: 210 mm
- Weight: 3.200 kg
- Fitted with a semi-coupler (please state type: see page )

Item code	Part number
7510121	SU 133K
7510122	SU 133E
7510123	SU 133X
7510124	SU 133MK

#### Crimping capacity

Conductor size (mm <sup>2</sup> )	Dies PN	Types of dies
Non insulated tubular lugs and butt connectors	25-300	U13 HCU... U13 ECU...
Tubular lugs CDCT	75	U13 HCT...
"C" type connectors	C16-C95	U13 HCU... U13 CC95
Aluminium/copper industrial lugs	35-300	U13 E...
Connectors for insulated networks	6-240	U13 E...
Connectors for networks: copper/aluminium non insulated lines	228 max	U13 E...
Indenting aluminium copper and aluminium networks	16-240	U13 MC... U13 MJ...
Aluminium and copper rounding	50-240	U13 MR...

Crimping dies: see page

#### Presses hydrauliques raccordables



- SU 214: basic model without die locking system and single pull-back spring
- SU 210: with die locking system, double pull-back spring and controlled speed return system
- SRU 210: lengthened for aluminium and aluminium-copper crimping to 630 mm<sup>2</sup>. Same system as SU 210.



##### General features

- Power: 200 kN
- Corrosion preventive protection: nickel plated finish and chromium plated piston
- To be connected to hydraulic pump 700 bars (see page )
- SU 214 et 210:
- Length: 260 mm
- Weight: 5.800 kg
- SRU 210:
- Length: 275 mm
- Weight: 6.180 kg
- Fitted with a semi-coupler (please state type: see page )

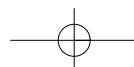
Item code	Part number
7510141	SU 210K
7510142	SU 210E
7510143	SU 210X
7510444	SU 210MK
7510161	SRU 210K
7510162	SRU 210E
7510163	SRU 210X
7510164	SRU 210MK

#### Crimping capacity

Conductor size (mm <sup>2</sup> )	Dies PN	Types of dies
Non insulated tubular lugs and butt connectors	25-630	U13 HCU... + U21 U13 U21 HCU
Tubular lugs CDCT	75-181	U21 HCT...
"C" type connectors	C16-C240	U13 HCU... + U21 U13 U21 CC...
Aluminium/copper industrial lugs	35-300	U13 E... + U21 U13 U21 E...
Connectors for insulated networks	6-240	U13 E... + U21 U13 U21 E...
Connectors for networks: copper/aluminium non insulated lines	228 max	U13 E... + U21 U13 U21 E...
Indenting aluminium copper and aluminium networks	16-630*	U13 MC... + U21 U13 U21 MC...
Aluminium and copper rounding	50-400	U13 MR... + U21 U13 U21 MR

Crimping dies: see page

\* 500 and 630 only with SRU 210.



Tooling



## 250 kN Hydraulic compression head

## Crimping for tubular lugs

## Hydraulic compression head SH 250

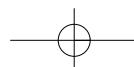
General features

- Power: 250 kN
- Piston stroke: 22 mm
- Weight: 4.850 kg
- Hydraulic compression pump, see page
- Fitted with a semi-coupler (please state type: see page )

Crimping dies for tubular lugs "DE" and "DIN"

	Conductor size (mm <sup>2</sup> )	Dies			
		Lugs "DE"		Lugs "DIN"	
Item code	Part number	Item code	Part number	Item code	Part number
50	on request	H25 R50	on request	H25 K14	
	on request	H25 R70	on request	H25 K16	
	on request	H25 R95	on request	H25 K18	
	on request	H25 R120	on request	H25 K20	
	on request	H25 R150	on request	H25 K22	
	on request	H25 R185	on request	H25 K25	
	on request	H25 R240	on request	H25 K28	
	on request	H25 R300	on request	H25 K32	
	on request	H25 R400	on request	H25 K38	
			on request	H25 K42	
120			on request	H25 K44	
150					
185					
240					
300					
400					
500					
625					

Item code	Part number
7510108	SH 250K
7510115	SH 250E
7510104	SH 250X
7510110	SH 250 MK



# Tooling



## 400 kN Hydraulic compression head

### Hydraulic compression head SAU 400 Q

New



#### General features

- Power: 400 kN.
- To be connected to a single action pump 700 bars.
- Corrosion preventive protection: plated nickel.
- Opening head.
- Articulated handle for easy use.
- Head locked by rotating handle.
- Deep indent crimping dies securely held in ram.
- Spring loaded location balls avoid die damage when positioned wrongly.
- Positive locking system for hexagonal crimping dies.
- Articulated hydraulic hose connection assists when in difficult positions.
- Weight: 18 kg
- Fitted with a semi-coupler (please state type: see page )

Item code	Part number
7510183	SAU 400 QK
7510184	SAU 400 QE
7510185	SAU 400 QX
7510188	SAU 400 OMK



#### Crimping capacity

- Hexagonal crimping for copper tubular lugs NFC20 130: 400 to 1 000 mm<sup>2</sup>.
- Aluminium deep indent crimping: 800 to 1600 mm<sup>2</sup>.
- Hexagonal crimping for forged lugs serie HU: 500 to 1300 mm<sup>2</sup>.

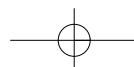
#### Crimping capacity

Products series	Section (mm <sup>2</sup> )	Die P/N	Types of dies
Copper tubular lugs and sleeves	CT	630 - 1000	U40HCU...
Forged copper lugs	HU	500 - 1300	U40E...

#### Wooden carrying case

Item code	Part number
7510186	CB SAU 400 Q

## Dies and punches: please contact us.



## Tooling



550 and 1 000 kN Hydraulic compression heads

### Crimping of tubular lugs, butt connectors and connectors

Hydraulic compression tool SB 550 to be connected to a single action pump

#### General features

- Power: 550 kN.
- Crimping capacity:
  - 660 mm<sup>2</sup> Aluminium,
  - 600 mm<sup>2</sup> Copper,
  - 450 mm<sup>2</sup> Al- Steel, Almelec-Steel, et homogeneous Almelec.
- Weight: 22 kg.
- Please state coupler type (see page ).
- Delivered in a metal box
- Crimping dies: consult us.

Item code	Part number
7510301	SB 550 K CM
7510300	SB 550 E CM
7510590	SB 550 X CM
7510299	SB 550 MK CM



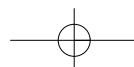
Hydraulic compression tool DB 1000 to be connected to a double action pump

#### General features

- Power: 1 000 kN.
- Crimping capacity:
  - 1000 mm<sup>2</sup> Aluminium,
  - 750 mm<sup>2</sup> homogeneous Almelec,
  - 612 mm<sup>2</sup> Almelec- Steel.
- Weight: 32 kg.
- Please state coupler type (see page ).
- Delivered in wooden box
- Crimping dies: consult us.

Item code	Part number
-	DB 1000 K CB
-	DB 1000 E CB
-	DB 1000 X CB
-	DB 1000 MK CB





# Tooling



## Hydraulic pumps and sets 700 bars

### Crimping and rounding with 60, 80, 120, 130, 200 and 250 kN compression heads

#### Hydraulic pump P 39

Crimping and rounding with 60 to 200 kN compression heads.

##### General features

- One gear hand pump
- Pressure: 700 bars
- Safety valve restriction maximum pressure
- Oil tank: 0.7 l
- Length: 400 mm
- Weight: 4.900 kg
- Box on request:  
Item code: 7516 020 / Part number: VAL 29
- Fitted with a 1.8 m hydraulic hose  
(please state hose type: see page )

Item code	Part number
7510051	P 39 K
7510052	P 39 E
7510053	P 39 X



#### Hydraulic pump SPM 4095

Crimping and rounding with 60 to 250 kN compression heads.

##### General features

- Two gears foot pump
- Pressure: 700 bars
- Automatic release
- "U" shape base offering high stability
- Oil tank: 1 l
- Length: 700 mm
- Weight: 12.900 kg
- Box on request:  
Item code: 7516 040 / Part number: VAL 22 CR
- Fitted with a 3 m hydraulic hose  
(please state hose type: see page )

Item code	Part number
7510075	SPM 4095 K
7510076	SPM 4095 E
7510077	SPM 4095 X



#### Hydraulic pump PA 133

Crimping and rounding with 60 to 200 kN compression heads.

##### General features

- Single stage pump with pneumatic drive
- Pressure: 700 bars
- Compressed air supply: 7 bars maxi
- Thriple distributors maintaining pressure when air supply is interrupted
- Oil tank: 0.6 l
- Length: 400 mm
- Weight: 4.900 kg
- Fitted with a female semi-coupler  
(please state type: see page )
- Hydraulic hoses (see page )

Item code	Part number
7510061	PA 133 K
7510063	PA 133 E
7510064	PA 133 X



#### Hydraulic set SPT 20-586 CM

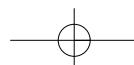
Crimping and rounding with 60 to 250 kN compression heads.

##### General features

- Compact and portable electro-hydraulic set
- Electric motor: 220 V - 50 Hz
- Power: 0.340 kW
- Emergency stop system
- 4 m low tension remote control  
(input - bearing - output)
- Flow: - 0-20 bars: 2.60 l / mn  
- 20-700 bars: 0.32 l / mn
- Oil tank: 2 l
- Dimensions : 186 x 160 x 350 mm
- Weight: 15.500 kg
- Delivered in a metal box
- Fitted with a female semi-coupler (please state type: see page )
- Hydraulic hoses (see page 194)

Item code	Part number
7510086	SPT20-586KCM
7510088	SPT20-586ECM
7510087	SPT20-586XCM





# Tooling



## Hydraulic pumps and sets 700 bars

### Crimping and rounding with 550 to 1000 kN compression tools

#### Cordless electro-hydraulic set SEPT 12

Crimping and rounding with 60 to 400 kN compression tools to be connected.

##### General features

- Cordless electro-hydraulic set requires a 24 V battery - 3.3 Ah, Ni-MH type.
  - Pressure: 700 bars
  - Dual pressure stage (fast advance system).
  - Remote control: input, bearing, output.
  - Emergency hand control.
  - Protection against overpressure by thermal circuit-breaker.
  - Hermetic tank to use without gradient restriction.
  - Oil tank: 0.5 l.
  - Dimensions: 340 x 180 x 330 mm.
  - Weight: 8.8 kg with full oil tank and battery.
- Delivered with 1 battery 24 V - 3.3 Ah NiMH, remote control, 1 female semi-coupling (please state type: see page )



#### Hydraulic pump 700 bars SPT 35-220

Two gear pump, single action.

##### General features

- Four-stroke petrol engine.
- Low tension remote control (input, bearing, output).
- Oil tank: 2.2 l.
- Flow:
  - 0 - 20 bars 2.6 l / mn.
  - 20 - 700 bars 0.5 l / mn.
- Power: 1 kW (1.4 CV).
- Dimensions : 470 x 320 x 400 mm.
- Weight: 29 kg.
- Please state hose type (see page )
- Delivered in wooden box



Item code	Part number
-	SPT 35-220 KCB
-	SPT 35-220 ECB
-	SPT 35-220 XCB

#### Hydraulic pumps 700 bars DPM 50-200 and DPT 50-220

Two gear pump, double action.

##### General features

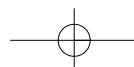
- Four-stroke petrol engine.
- Pump with hand controls. (input, bearing, output).
- Oil tank: 10 l.
- Flow:
  - 0 - 20 bars 7.5 l / mn.
  - 20 - 700 bars 1.2 l / mn.
- Power: 2 kW (2.7 CV).
- Dimensions : 650 x 370 x 500 mm.
- Weight: 55 kg.
- Please state hose type (see page )
- Delivered in wooden box



- Same as DPM 50-200, with remote control (input, bearing, output, as well as switch for automatic cycle).
- Dimensions: 650 x 370 x 500 mm.
- Weight: 55 kg.
- Please state hose type (see page )
- Delivered in wooden box

Item code	Part number
-	DPM 50-200 K CB
-	DPM 50-200 E CB
-	DPM 50-200 X CB

Item code	Part number
-	DPT 50-220 K CB
-	DPT 50-220 E CB
-	DPT 50-220 X CB



# Tooling

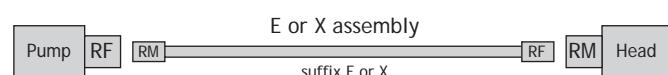


## Accessories for hydraulic tools

### Hydraulic couplers

Type	Part number	Dimensions
K	RMK-F38NPT	3/8 - 18 NPT
	RFK-M38NPT	3/8 - 18 NPT
E	RME-F38NPT	3/8 - 18 NPT
	RFE-F38NPT	3/8 - 18 NPT
X	RMX-F38NPT	3/8 - 18 NPT
	RFX-F38NPT	3/8 - 18 NPT

### Our tools standard equipments



Please state hose type when ordering:

#### Type K: PIONNER-3/8

Male couplers, assembly through 3/8 NPT threaded hole  
Female coupling, assembly through 3/8 NPT threaded hole

Item code	Part number
7510001	RMK-F38NPT
7510002	RFK-M38NPT



#### Type E: EDF-3/8

Male couplers, assembly through 3/8 NPT threaded hole  
Female coupling, assembly through 3/8 NPT threaded hole

Item code	Part number
7510003	RME-F38NPT
7510004	RFE-F38NPT



#### Type X: CEJN serie 117-3/8

Male couplers, assembly through 3/8 NPT threaded hole  
Female coupling, assembly through 3/8 NPT threaded hole

Item code	Part number
7510005	RMX-F38NPT
7510006	RFX-F38NPT



### Hydraulic hoses with type K, E, X and MK

Item code	Part number
7510021	F 4622 K
7510031	F 4623 K
7510041	F 4626 K

Item code	Part number
7510022	F 4622 E
7510032	F 4623 E
7510042	F 4626 E

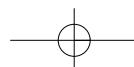
Item code	Part number
7510023	F 4622 X
7510033	F 4623 X
7510043	F 4626 X

Dimensions
1.80 m
3 m
6 m



### Hydraulic oils

Item code	Part number
7510024	F 4622 MFK
7510034	F 4623 MFK
7510044	F 4626 MFK



## Tooling



100 kN Hydraulic hand tools  
and compression head

### For crimping of Cu and Al terminals and splices

#### General features

- Tool for compressing Cu and Al terminals and splices without interchangeable dies.
- Equipped with gum handles.
- Conductor section rang:
  - Cu: 70 to 500mm<sup>2</sup>
  - Al: 16 to 300mm<sup>2</sup>
- 355° head rotation
- Fast forward control
- Power: 100kN
- Supplied in a metal box
- Length: 573mm
- Weight: 6.8Kg

\* Only for EU



Y644HS

Item code	Part number
7512018	Y644HS

#### General features

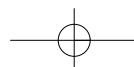
- Hydraulic head for compressing Cu and Al splices and terminals.
- Compressionhead without dies.
- Standard male connector of 3/8 "NPT" (MK assembly), for connecting to 700 bars pumps.
- For other connections consult the couplers section from the "Accessories" chapter.
- Conductor section rang:
  - Cu: 70 to 500mm<sup>2</sup>
  - Al: 16 to 300mm<sup>2</sup>
- Power: 100kN
- Supplied in a metal box
- Length: 305mm
- Weight: 4.1Kg



Y644MBH

\* Only for EU

Item code	Part number
7512019	Y644MBH



## Tooling



### Crimping compression tools "DIELESS"

**Crimping tubular lugs and copper butt connectors, aluminium and copper-aluminium lugs and end sleeves with external diameter of 38.5 mm maxi**

#### Hydraulic hand compression tool HPM 400



##### Crimping capacity

- Tubular lugs and copper butt connectors from 16 to 400 mm<sup>2</sup> (serie NFC20 130, classic and VDE)
- Aluminium and copper-aluminium lugs and end sleeves serie NFC 33 090-1 from 50 to 240 mm<sup>2</sup>.

##### General features

- Power: 120 kN.
- "V" indent crimping without changing die.
- Ram fast advance system.
- Automatic setting of crimping depth.
- 90° swivelling head.
- Length: 550 mm.
- Weight: 5.900 kg.
- Delivered in a metal box.

Item code	Part number
7512051	HPM 400



##### Accessories

- Aluminium standard rod on which crimping is operated.

Item code	Part number
7512050	BE 6468

#### Hydraulic compression tool to be connected HPH 400

##### Crimping capacity

- Same as HPM 400 below.

##### General features

- Power: 120 kN.
- Hydraulic compression tool to be connected to hydraulic pumps and sets 700 bars (see page 193).
- "V" indent crimping without changing die.
- Automatic setting of crimping depth.
- Length: 380 mm.
- Weight: 3.700 kg.
- Fitted with a semi-coupling (please state type: see page 200).

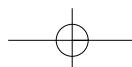
Item code	Part number
7512045	HPH 400 K
7512046	HPH 400 E
7512049	HPH 400 X
	HPH 400 MK



##### Accessories

- Aluminium standard rod on which crimping is operated.

Item code	Part number
7512050	BE 6468



# Tooling



## Crimping compression tools "DIELESS"

**Crimping tubular lugs and copper butt connectors, aluminium and copper-aluminium lugs and end sleeves with external diameter of 38.5 mm maxi**

**Cordless electro-hydraulic compression tool HPA 400**



### Crimping capacity

- Tubular lugs and copper butt connectors from 16 to 400 mm<sup>2</sup> (serie NFC20 130, classic and VDE)
- Aluminium and copper-aluminium lugs and end sleeves serie NFC 33 090-1 from 50 to 240 mm<sup>2</sup>.

### General features

- Power: 120 kN.
- "V" indent crimping without changing die.
- Automatic setting of crimping depth
- 90° swivelling head.
- Battery: 14.4V - 2.4 Ah.
- Crimping time: 9 to 2 s with new battery.
- Crimping capacity: to 120 operations with new battery.
- Length: 470 mm.
- Weight: 7.500 kg.
- Delivered in a metal box with 1 charger and 2 batteries.

Item code	Part number
7512052	HPA 400

### Accessories

- Fast charger

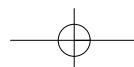
Item code	Part number
7512048	CH 16403

- Battery 14.4 V - 2.4 Ah

Item code	Part number
7512047	BA 16225

- Aluminium standard rod on which crimping is operated

Item code	Part number
7512050	BE 6468



## Tooling



Crimping compression tools to be connected  
"DIELESS" and hydraulic sets 150 bars

### Crimping of tubular lugs and copper butt connectors

#### Hydraulic compression tool to be connected HP 95

##### Crimping capacity

- Tubular lugs and copper butt connectors from 10 to 95 mm<sup>2</sup> (CT, YAV-DM/DE, CU series).

##### General features

- Power: 60 kN.
- "V" indent crimping without changing die.
- Automatic setting of crimping depth.
- Holding handle with hydraulic set control switch.
- Length: 350 mm.
- Weight: 3.0 kg.
- Working pressure: 150 bars
- Be careful to use it only with hydraulic set 150 bars, Part number HA1ES (see below).



#### Hydraulic compression tool to be connected HP 300

##### Crimping capacity

- Tubular lugs and copper butt connectors from 50 to 300 mm<sup>2</sup> (CT, YAV-DM/DE, CU series).

##### General features

- Power: 100 kN.
- "V" indent crimping without changing die.
- Automatic setting of crimping depth.
- Holding handle with hydraulic set control switch.
- Length: 430 mm.
- Weight: 4.500 kg.
- Working pressure: 150 bars
- Be carefull to use it only with hydraulic set 150 bars, Part number HA1ES (see below).



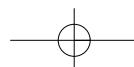
#### Electro-hydraulic set 150 bars HA 1ES

To use exclusively with compression tools HP 95 and HP 300.

##### General features

- Compact and portable electro-hydraulic set.
- Pressure: 150 bars maxi.
- Electrical motor: 220 V - 50 Hz
- Power: 0.8 KW.
- Foot control or switch on compression tool to be connected.
- Flow: 4.5 l : mn.
- Oil tank: 3.5 l.
- Dimensions : 270 x 270 x 470 mm.
- Weight: 18 kg (with oil).
- Delivered fitted with flexible hoses and connectors.





# Tooling



## Hand cable-cutters

### CC 7101

**Cutting capacity:**

- For copper or aluminium conductors up to Ø 15 mm
- Does not cut steel

**General features**

- Hand cable-cutters
- PVC insulated handles
- Length: 235 mm
- Weight: 0.380 kg



### CC 20

**Cutting capacity:**

- For copper or aluminium conductors up to Ø 25 mm
- Exceptional new shape and quality of the blade
- Preliminary and definitive cuts (1<sup>st</sup> and 2<sup>nd</sup> blades)
- Does not cut steel

**General features**

- Hand cable-cutter.
- PVC insulated handle
- Length: 200 mm
- Weight: 0.300 kg



### MRK 34

**Cutting capacity:**

- Max diameter of conductors: Ø 34 mm
- Aluminium: 240 mm<sup>2</sup>
- Copper: 185 mm<sup>2</sup>
- Does not cut steel

**General features**

- Ratchet hand cable-cutter
- Polypropylene insulated handle
- Length: 210 mm
- Weight: 0.750 kg



### MRK 52 E

**Cutting capacity:**

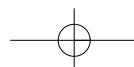
- Max diameter of conductors: Ø 52 mm
- Aluminium: 400 mm<sup>2</sup>
- Copper: 400 mm<sup>2</sup>
- Telephone cables: Ø 52 mm (ext.)
- Does not cut steel

**General features**

- Ratchet hand cable-cutter
- Polypropylene insulated handle
- Length: 280 mm
- Weight: 1.0400 kg.



Item code	Part number
7519563	MRK 52 E



Tooling



## Automatic and programmable cutting tool

## Cutting tool LC 100



Cut cables, tubing and similar with a diameter up to 8 mm.

Two roller bearings which guarantee a carefully advancing of material. Independent measuring rollers guarantee an exact cut length even in case of different materials.

Easy sensitive keyboard to enter quickly length and quantity needed.

Easy product changing system. When opening front protection bearing and measuring rollers are separated. The product, which is going to be cut, is put in. When closing the front protection bearing and measuring rollers are automatically back in position.

A software, given with each LC 100, is used to process and record directly on computer repetitive cut operations in order to transmit it directly to LC100.

**Cutting capacities:**

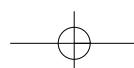
- Flexible wire: 0.08 to 10 mm<sup>2</sup>
- Rigid wire: 0.08 to 2.5 mm<sup>2</sup>
- Maximal cutting diameter: Ø 8 mm
- Conductor size adjustment: automatic
- Number of cuts: 1 to 999 pieces
- Length: 2 to 99 999 mm
- Speed progress: 0.5 m/s maximum

**General features**

- Unit of measurement: millimeter
- Interface: RS232
- Network connection: 230 V/50 Hz
- Power: 80 VA
- Length x width x depth: 194 x 295 x 227 mm
- Weight: 11 kg



Item code	Part number
7519882	LC 100



## Tooling



### Cordless electro-mechanical cable-cutter

#### EK 50 integrated electric motor cable-cutter



##### Cutting capacity:

- Insulated or non insulated copper cables up to 500 mm<sup>2</sup>
- Insulated or non insulated aluminium cables up to 630 mm<sup>2</sup>
- LV underground cables HN 33S33 type (UTE C 33-210) up to 3 x 240 + 95 mm<sup>2</sup> and HV single-pole (UTE C 33-220) up to 630 mm<sup>2</sup> after suppression of PVC external coating.
- Non insulated aluminium alloy cables up to 570 mm<sup>2</sup>
- Telephone cables with Ø less than or equal to 50 mm.
- Does not cut steel.

##### General features

- Electrical motor coupled with an epicyclical gear train speed reducer.
- Mobile blade turning through 360°
- Dual control (forward/backward) with safety lock.
- Equipped with a circuit-breaker to protect against the cutting of a cable larger than tool capacity.
- Dimensions: 370 x 150 x 100 mm.
- Weight: 2.700 kg

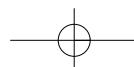
Item code	Part number
7519610	EK 50

- Carrying case can be filled with the cable-cutter, 1 charger and 2 batteries.

Item code	Part number
7519611	CMEK 50



Accessories to be ordered separately, see page 189.



# Tooling



## Hydraulic cable-cutters

### Hand hydraulic cable-cutters

#### Cutting capacity:

- Cuts copper and aluminium conductors up to 20 mm Ø.

#### General features

- One gear hand hydraulic cable-cutter.
- Fast closing and opening head, tilting on 180°.
- Length: 400 mm
- Weight: 2.800 kg
- Delivered with carrying bag.

Item code	Part number
7519675	HVA 20-40 S



### Hydraulic cable-cutter to be connected

#### Cutting capacity:

- Cuts copper or aluminium conductors up to 30 mm Ø.

#### General features

- To be connected on 700 bars hydraulic pumps (see page 192)
- Length: 225 mm
- Weight: 2.700 kg
- Delivered in a metal box.
- Fitted with a semi-hose (please state type: see page 194)

Item code	Part number
7510501	SK 30-70 K CM
7510502	SK 30-70 E CM
7510503	SK 30-70 X CM
7510504	SK 30-70 MK CM



### Hydraulic cable-cutter to be connected

#### Cutting capacity:

- Cuts copper or aluminium conductors up to 40 mm Ø.

#### General features

- To be connected on 700 bars hydraulic pumps (see page 192)
- Length: 270 mm
- Weight: 3.650 kg
- Delivered in a metal box.
- Fitted with a semi-hose (please state type: see page 194)

Item code	Part number
7510511	SA 40-60 SK
7510512	SA 40-60 SE
7510513	SA 40-60 SX
7510514	SA 40-60 SMK



### Hydraulic cable-cutter to be connected

#### Cutting capacity:

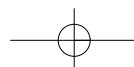
- Cuts copper or aluminium conductors up to 95 mm Ø.

#### General features

- To be connected on 700 bars hydraulic pumps (see page 192)
- Length: 425 mm
- Weight: 8.300 kg
- Delivered in a metal box.
- Fitted with a semi-hose (please state type: see page 194)

Item code	Part number
7510541	TC 096 K
7510542	TC 096 E
7510543	TC 096 X
7510540	TC 096 MK





# Tooling



## Stripping tools

### Stripping tool

#### Stripping capacity:

- For flexible or rigid conductors from 0.5 to 6 mm<sup>2</sup>.



#### General features

- Metal tool
- PVC insulated handles
- Delivered with positionning stop.

Item code	Part number
7500161	STRIPOMATIC

### Cutting and stripping tool

#### Capacities:

- For flexible or rigid conductors from 0.34 to 6 mm<sup>2</sup>.



#### General features

- End stripping.
- Can be adjusted depending on hardness and thickness of insulating.

Item code	Part number
7519830	D 5415

### Stripping tool with interchangeable cassette

- Cut and strip wires from 0.02 to 10 mm<sup>2</sup>.



#### General features

- Easy interchangeable stripping casket.
- Stripping length and knives pressure can be adjusted.
- Ergonomic profile with anti-slip handles.

Item code	Part number
7507120	D 00510

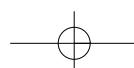
### Cassette for stripping tool D 00510

- Strip wires from 0.02 to 10 mm<sup>2</sup>.

Item code	Part number
7507125	CD 00510

- Strip wires from 4 to 16 mm<sup>2</sup>.

Item code	Part number
7507127	CD 416



# Tooling



## Electrical stripping and cutting tools

### Electrical stripping tool

#### Capacities:

- For flexible or rigid conductors from 0.22 to 6 mm<sup>2</sup>.

#### General features

- Stripping length can be adjusted from 1.5 to 29 mm.
- Max. insulating diameter: Ø 5.70 mm.
- Main voltage: 220 V.
- Dualrotating knives.
- Foot pedal control.
- Dimensions: 230 x 140 x 150 mm.
- Weight: 4.200 kg.

Item code	Part number
7490131	AVG 0160



### Stripping and cutting knife

#### Capacities:

- For conductors with external diameter from Ø 4.5 to 25 mm.

#### General features

- Cutting depth can be adjusted with a wheel.
- Swivelling blade allowing longitudinal cuts.
- Spare blade in the tool body.

Item code	Part number
7519810	AM 1



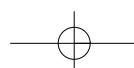
### Stripping and cutting tool

#### General features

- Take off insulating coating from diameter 25 mm.
- Cutting depth from 0 to 5 mm.
- Reversible cutting blade.
- Safe longitudinal and circular sections.

Item code	Part number
7507105	DC 25





# Tooling



## Hollow punches

### Hand hydraulic hollow punches

#### General features

- Integrated pump and jack
- Power: 50 kN
- Sheet metal punching: max 3 mm thick (370 N/mm<sup>2</sup>)
- Delivered in a metal box with following accessories:
- Pulling axle - Item code: 7512481 / Part number: AEP 95.
- Pulling socket - Item code: 7512491 / Part number: DEP 95.
- Cross bar - Item code: 7512235 - Part number: ET 22.
- Six punches and dies with following diameters:  
15.2 - 18.6 - 20.4 - 22.5 - 28.3 - 30.5 mm
- Can also use all our punches and dies up to Ø 100 mm (pages )
- Length: 220 mm
- Weight: 2.270 kg

Item code	Part number
7512191	LS 6



### Hand hydraulic hollow punches

#### General features

- Integrated pump and jack
- Power: 70 kN
- Sheet metal punching: max 3 mm thick (370 N/mm<sup>2</sup>)
- Swivelling and tilting head on 180°.
- Delivered in a carrying case.
- Can use all our punches and dies up to Ø 100 mm (pages )
- Length: 220 mm
- Weight: 3.200 kg

Item code	Part number
7512204	HVEP 72



### Cordless electro-hydraulic hollow punches

#### General features

- Power: 70 kN
- Swivelling and tilting head on 180°.
- Sheet metal punching: max 3 mm thick (370 N/mm<sup>2</sup>)
- Strong composite housing, rain-proof.
- Double trigger to control pressure built-up for cutting as well as piston retrieval.
- Automatic release with audible "clic" when cutting is completed due to a calibrated valve when the power of 70 kN has been reached  
(Capacity: approximately 30 cutting operations)
- Weight without battery: 3.000 kg
- Can also use all our punches and dies up to Ø 100 mm (pages )

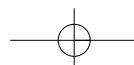
Item code	Part number
7512197	EEP 72 A



- Carrying case:

Item code	Part number
7512200	CPEEP 72





# Tooling



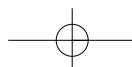
## Punches, round dies and accessories for hollow punches

Dimensions (mm)	Corresponding stuffing box diameter	Punches		Dies		Rubber	
		Item code	Part number	Item code	Part number	Item code	Part number
15.2	9	7512321	PEP 15	7512381	MEP 15	-	-
16	-	7512322	PEP 16	7512382	MEP 16	-	-
16.2	-	7512323	PEP 162	7512383	MEP 162	-	-
16.5	ISO 16	7512564	PEP 165 ISO	7512565	MEP 165 ISO	-	-
18.6	11	7512324	PEP 186	7512384	MEP 186	7512443	CEP 186
19	-	7512325	PEP 19	7512385	MEP 19	7512444	CEP 19
20	-	7512326	PEP 20	7512386	MEP 20	7512445	CEP 20
20.4	13 et ISO 20	7512327	PEP 204	7512387	MEP 204	7512446	CEP 204
20.5	ISO 20	7512567	PEP 205 ISO	7512568	MEP 205 ISO	7512569	CEP 205 ISO
22.5	16	7512328	PEP 225	7512388	MEP 225	7512447	CEP 225
25.5	ISO 25	7512570	PEP 255 ISO	7512571	MEP 255 ISO	7512572	CEP 255 ISO
28.3	21	7512329	PEP 283	7512389	MEP 283	7512448	CEP 283
30.5	Voyant	7512330	PEP 305	7512380	MEP 305	7512449	CEP 305

Pulling axle		Pulling socket		Cross bar	
Item code	Part number	Item code	Part number	Item code	Part number
7512481	AEP 95	7512491	DEP 95	7512235	ET 22

Dimensions (mm)	Corresponding stuffing box diameter	Punches		Dies		Rubber	
		Item code	Part number	Item code	Part number	Item code	Part number
32	ISO 32	7512331	PEP 32	7512391	MEP 32	7512450	CEP 32
32.5	ISO 32	7512579	PEP 325 ISO	7512580	MEP 325 ISO	7512581	CEP 325 ISO
33	-	7512332	PEP 33	7512392	MEP 33	7512451	CEP 33
35	-	7512333	PEP 35	7512393	MEP 35	7512452	CEP 35
37	29	7512334	PEP 37	7512394	MEP 37	7512453	CEP 37
40	ISO 40	7512335	PEP 40	7512395	MEP 40	7512454	CEP 40
40.5	ISO 40	7512582	PEP 405 ISO	7512583	MEP 405 ISO	7512584	CEP 405 ISO
43.2	-	7512336	PEP 432	7512396	MEP 432	7512455	CEP 432
44	-	7512337	PEP 44	7512397	MEP 44	7512456	CEP 44
47	36	7512338	PEP 47	7512398	MEP 47	7512457	CEP 47
48	-	7512339	PEP 48	7512399	MEP 48	7512458	CEP 48
50	ISO 50	7512340	PEP 50	7512400	MEP 50	7512459	CEP 50
50.5	ISO 50	7512576	PEP 505 ISO	7512577	MEP 505 ISO	7512578	CEP 505 ISO
54	42	7512341	PEP 54	7512401	MEP 54	7512460	CEP 54
55	-	7512342	PEP 55	7512402	MEP 55	7512461	CEP 55
59.3	48	7512343	PEP 593	7512403	MEP 593	7512462	CEP 593
63.5	ISO 63	7512573	PEP 635 ISO	7512574	MEP 635 ISO	7512575	CEP 635 ISO
65	-	7512344	PEP 65	7512404	MEP 65	7512463	CEP 65
66	-	7512345	PEP 66	7512405	MEP 66	7512464	CEP 66
70	-	7512346	PEP 70	7512406	MEP 70	7512465	CEP 70
75	-	7512347	PEP 75	7512407	MEP 75	7512466	CEP 75
80	-	7512348	PEP 80	7512408	MEP 80	7512467	CEP 80
82	-	7512349	PEP 82	7512409	MEP 82	7512468	CEP 82
86	-	7512350	PEP 86	7512410	MEP 86	7512469	CEP 86
90	-	7512351	PEP 90	7512411	MEP 90	7512470	CEP 90
92	-	7512352	PEP 92	7512412	MEP 92	7512471	CEP 92
100	-	7512353	PEP 100	7512413	MEP 100	7512472	CEP 100

\* Inox round hollow punches: please contact us.



# Tooling

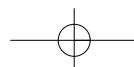
Punches, square and right-angle dies  
and accessories for hollow punches



Pulling axle		Cross bar	
Item code	Part number	Item code	Part number
7512501	AEP 190	7512235	ET 22

Dimensions (mm)	Punches		Dies					
	Item code	Part number	Item code	Part number				
17 x 17	7512354	PEPC 17	7512414	MEPC 17	7512517	AEPC 66	7512520	EEPC 70
26 x 26	7512355	PEPC 26	7512415	MEPC 26	7512518	AEPC 50	7512521	EEPR 42
46 x 46	7512356	PEPC 46	7512416	MEPC 46	7512513	AEPC 41	7512526	EEPC 43
51.5 x 51.5	7512357	PEPC 51	7512417	MEPC 51	7512513	AEPC 41	7512526	EEPC 43
68 x 68	7512358	PEPC 68	7512418	MEPC 68	7512513	AEPC 41	7512526	EEPC 43
72 x 72	7512359	PEPC 72	7512419	MEPC 72	7512513	AEPC 41	7512526	EEPC 43
92 x 92	7512432	PEPC 92	7512372	MEPC 92	7512513	AEPC 41	7512526	EEPC 43
					Axe for square punch		Bolt for square punch	
21 x 27	7512361	PEPR 2127	7512421	MEPR 2127	7512511	AEPR 40	7512521	EEPR 42
22 x 33	7512362	PEPR 33	7512422	MEPR 33	7512369	AEPR 50	7512521	EEPR 42
22 x 42	7512367	PEPR 42	7512427	MEPR 42	7512369	AEPR 50	7512521	EEPR 42
25 x 50	7512368	PEPR 50	7512428	MEPR 50	7512369	AEPR 50	7512521	EEPR 42
26 x 27	7512366	PEPR 27	7512426	MEPR 27	7512511	AEPR 40	7512521	EEPR 42
27 x 33	7512363	PEPR 2733	7512423	MEPR 2733	7512369	AEPR 50	7512521	EEPR 42
30.5 x 50	7512364	PEPR 30550	7512424	MEPR 30550	7512369	AEPR 50	7512521	EEPR 42
42 x 46	7512365	PEPR 46	7512425	MEPR 46	7512429	AEPR 41	7512373	EEPR 43
44 x 92	7512360	PEPR 92	7512420	MEPR 92	7512429	AEPR 41	7512373	EEPR 43

\* Inox round hollow punches: please contact us.



## Tooling



### Cordless screwdriver

## Cordless screwdriver for MV underground breaking screw head mechanical connectors

#### General features

- Speed rotation without load: 2200 tr/mn.
- Speed rotation under load: 3200 impacts/mn.
- Max torque: 200 Nm.
- 1/2" square drive for DS3 socket serie.
- Adjusted housing to protect against stress of weather.
- Triggers in the handle with variable speed drive for progressive movement and automatic brake.
- Screwing capacity: 100 breaking screws (failure 40 Nm) with BL1430 (3,0 A/h) battery.
- Operating temperature: -10°C to +40°C.
- Dimensions with battery: 234 x 168 x 79 mm.
- Weight with battery: 1.600 kg.
- Delivered in a plastic box.

Item code	Part number
7512160	ESM150-2



#### Accessories\*

- Battery Li / ion - 3 A/h - 14.4 V

Item code	Part number
7512162	BL1430

- Very fast charger 220-240 V AC - 50/60 Hz

Item code	Part number
7512163	CH1863HC

- 12V DC truck charger

Item code	Part number
7512164	CH1435HCXT

#### Plastic box:

Item code	Part number
7512161	CPESM150-2

#### Female hexagonal head socket 10, 13, 16, 19 mm across flats:

Item code	Part number
7512165	DS3H10
7512166	DS3H13
7512167	DS3H16
7512168	DS3H19

#### Kits:

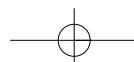
Item code	Part number	Contents
7512171	ESM150-2KLE	<ul style="list-style-type: none"> <li>-1x cordless screwdriver ESM150-2</li> <li>-2x batteries BL1430</li> <li>-1x charger CH1863HC</li> <li>-1x head socket kit DS3KE</li> <li>-1x plastic box CPESM150-2</li> </ul>

#### Male hexagonal head socket 5 and 6 mm across flats:

Item code	Part number
7512169	DS3HC5X
7512170	DS3HC6X

Item code	Part number	Contents
7512172	DS3KE	<ul style="list-style-type: none"> <li>-1x female hexagonal head socket DS3H10</li> <li>-1x female hexagonal head socket DS3H13</li> <li>-1x female hexagonal head socket DS3H16</li> <li>-1x female hexagonal head socket DS3H19</li> <li>-1x male hexagonal head socket DS3HC5X</li> <li>-1x male hexagonal head socket DS3HC6X</li> </ul>

\* Batteries, chargers and accessories to be ordered separately, see page



Copper conductors		Y46	SU133 - HU135 - Y39E1E - Y39E1BHE	SU210	SAU400
Hexagonal crimping and punching	Conductor size (mm²)	Die sets	Die sets	Die sets	Die sets
Tubular lugs and sleeves	25	U13HCU25	U13HCU35	U13HCU45	U13HCU55
	35	U13HCU35	U13HCU50	U13HCU65	U13HCU85
	50	U13HCU50	U13HCU70	U13HCU90	U13HCU110
	70	U13HCU70	U13HCU95	U13HCU120	U13HCU140
	95	U13HCU95	U13HCU125	U13HCU150	U13HCU175
	120	U13HCU125	U13HCU160	U13HCU185	U13HCU210
	150	U13HCU160	U13HCU195	U13HCU220	U13HCU245
	185	U13HCU195	U13HCU230	U13HCU255	U13HCU280
	240	U13HCU230	U13HCU270	U13HCU300	U13HCU330
	300	U13HCU270	U13HCU310	U13HCU340	U13HCU370
	400	U13HCU310	U13HCU350	U13HCU380	U13HCU410
	500	U13HCU350	U13HCU390	U13HCU420	U13HCU450
	630	U13HCU390	U13HCU430	U13HCU460	U13HCU490
	800	U13HCU430	U13HCU470	U13HCU500	U13HCU530
	1000	U13HCU470	U13HCU510	U13HCU540	U13HCU570

Copper conductors		MD6* - Y500CT	HC120 - SC20 - EC127 - Y35 - Y35BH - Y39 (+adaptor UADP1)	MRH70 - H80 - SH80	EDC82	MRD100	HC120 - SC20 - EC127 - Y35 - Y35BH - Y39 (+adaptor UADP1)
Hexagonal crimping and punching	Conductor size (mm²)	Die sets	Nest	Identifier	Die sets	Nest	Identifier
Tubular lugs and sleeves	6	WSB06GE1T	W10C	USB06GE1T	U10C	C12HCU6	C12HCU6
	10	WSB08GE1T	W16C	USB08GE1T	U10C	C12HCU10	C12HCU10
	16	WSB09GE1T	W25C	USB09GE1T	U16C	C12HCU16	C12HCU16
	25	WSB11GE1T	W35C	USB11GE1T	U25C	C12HCU25	C12HCU25
	35	WSB13GE1T	W50C	USB13GE1T	U35C	C12HCU35	C12HCU35
	50	WSB14GE1T	W70C	USB14GE1T	U50C	C12HCU50	C12HCU50
	70	WSB17GE1T	W95C	USB17GE1T	U70C	C12HCU70	C12HCU70
	95	WSB20GE1T	W120C	USB20GE1T	U95C	C12HCU95	C12HCU95
	120	WSB22GE1T	W150C	USB22GE1T	U120C	C12HCU120	C12HCU120
	150	WSB25GE1T	W175C	USB25GE1T	U150C	C12HCU150	C12HCU150
	185	*	*	USB27GE1T	U185C	C12HCU185	C12HCU185
	240	*	*	USB30GE1T	U240C	C12HCU240	C12HCU240

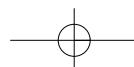
Copper conductors		MD6* - Y500CT	HC120 - SC20 - EC127 - Y35 - Y35BH - Y39 (+adaptor UADP1)				
Hexagonal crimping and punching	Conductor size (mm²)	Die sets	Nest	Identifier	Die sets	Nest	Identifier
Tubular lugs for flexible cables	6	WSB06GE1T	W10C	USB06GE1T	U10C	C12HCU6	C12HCU6
	10	WSB08GE1T	W16C	USB08GE1T	U10C	C12HCU10	C12HCU10
	16	WSB09GE1T	W25C	USB09GE1T	U16C	C12HCU16	C12HCU16
	25	WSB11GE1T	W35C	USB11GE1T	U25C	C12HCU25	C12HCU25
	35	WSB13GE1T	W50C	USB13GE1T	U35C	C12HCU35	C12HCU35
	50	WSB14GE1T	W70C	USB14GE1T	U50C	C12HCU50	C12HCU50
	70	WSB17GE1T	W95C	USB17GE1T	U70C	C12HCU70	C12HCU70
	95	WSB20GE1T	W120C	USB20GE1T	U95C	C12HCU95	C12HCU95
	120	WSB22GE1T	W150C	USB22GE1T	U120C	C12HCU120	C12HCU120
	150	WSB25GE1T	W175C	USB25GE1T	U150C	C12HCU150	C12HCU150
	185	*	*	USB27GE1T	U185C	C12HCU185	C12HCU185
	240	*	*	USB30GE1T	U240C	C12HCU240	C12HCU240

Copper conductors	HVD35	MRD50 - HVD51	MD6 - Y500CT	HDC60 - SD60	HCN60 - SCN60	HC120 - SC20 - EC127 - Y35 - Y35BH - Y750HS - H750BH - Y39 (+adaptor UADP <sup>(1)</sup> )	Y46	SH250
								
Hexagonal crimping and punching	Conductor size (mm <sup>2</sup> )	Die sets	Die sets	Die sets				
	6	D35R6	D5R6-35 <small>55MH16TDT</small>	W06DGET1T	C6R6	N6R6	C12R6	
	10	D35R10	D5R10-50 <small>55MH185-10TDT</small>	W010DGET1T	C6R10	N6R10	C12R10 <small>U010DGET1T</small>	
	16	D35R16	D5R16-70 <small>55MH150-16TDT</small>	W016DGET1T	C6R16	N6R16	C12R16 <small>U016DGET1T</small>	
	25	D35R25	D5R25-95 <small>55MH120-25TDT</small>	W025DGET1T	C6R25	N6R25	C12R25 <small>U025DGET1T</small>	
Tubular lugs and sleeves	35	D35R35	D5R6-35 <small>55MH195-35TDT</small>	W035DGET1T	C6R35	N6R35	C12R35 <small>U035DGET1T</small>	
	50	D35R50	D5R10-50 <small>55MH170-50TDT</small>	W050DGET1T	C6R50	N6R50	C12R50 <small>U050DGET1T</small>	
	70	D35R70	D5R16-70 <small>55MH170-50TDT</small>	W070DGET1T	C6R70	N6R70	C12R70 <small>U070DGET1T</small>	
	95	D35R95	D5R25-95 <small>55MH195-35TDT</small>	W095DGET1T	C6R95	N6R95	C12R75 <small>U095DGET1T</small>	
	image 3D à venir							
	120	D35R120	D5R120 <small>55MH120-25TDT</small>	W120DGET1T	C6R120	N6R120	C12R120 <small>U120DGET1T</small>	H25R120
	150	D35R150	D5R150 (1) <small>55MH150-16TDT</small>	W150DGET1T	C6R150	N6R150	C12R150 <small>U150DGET1T</small>	H25R150
	185		55MH185-10TDT	W185DGET1T	C6R185	N6R185	C12R185 <small>U185DGET1T</small>	H25R185
	240			C6R240	N6R240		C12R240 <small>U240DGET1T</small>	H25R240
	300			C6R300	N6R300		C12R300 <small>U300DGET1T</small>	H25R300
	400							H25R400

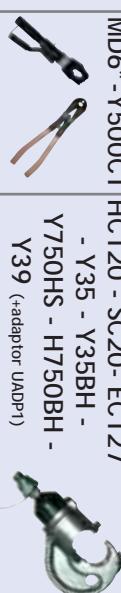
(1) not for MRD50

Copper conductors	HVD35	MRD50 - HVD51	MD6 Y500CT	HDC60 - SD60 - EDC62	HCN60 - SCN60 - Y35 - Y35BH - Y750HS - H750BH - Y39 (+adaptor uADP1)	HC120 - SC20 - EC127 - Y35 - Y35BH - Y750HS - H750BH - Y39 (+adaptor uADP1)	Y46	SH250
	Hexagonal crimping and punching	Conductor size (mm²)	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets
	6	D35K5	50MH05DKTC	W5DKT	C6K5(5)	N6K5-5	UDK05BGE2T	
	10	D35K6	50MH06DKTC	W6DKT	C6K6(5)	N6K6-5	C12 K6(10) UDK06BGE2T	
	16	D35K8	50MH08DKTC	W8DKT	C6K8(5)	N6K8-5	C12 K8(10) UDK08BGE2T	H25K8(10)
	25	D35K10	50MH10DKTC	W10DKT	C6K10(5)	N6K10-5	C12 K10(10) UDK10BGE2T	H25K10(10)
	35	D35K12	50MH12DKTC	W12DKT	C6K12(5)	N6K12-5	C12 K12(10) UDK12BGE2T	H25K12(10)
	50	D35K14	50MH14DKTC	W14DKT	C6K14(5)	N6K14-5	C12 K14(13) UDK14BGE2T	H25K14(13)
	70	D35K16	50MH16DKTC	W16DKT	C6K16(5)	N6K16-5	C12 K16(13) UDK16BGE2T	H25K16(13)
	95	D35K18	50MH18DKTC	W18DKT	C6K18(5)	N6K18-5	C12 K18(14) UDK18BGE2T	H25K18(14)
	120	D5K20	50MH20DKTC	W20DKT	C6K20(5)	N6K20-5	C12 K20(14) UDK20BGE2T	H25K20(14)
	150							H25K22(15)
	185							H25K25(15)
	240							H25K28(15)
<b>YCA serie (DIN 46235) MD6 : Only till 95 mm²</b>								
	300						C12K32 UDK32BGE2T	H25K32(17)
	400							H25K38(17)
	500							H25K42(17)
	625							H25K44(17)



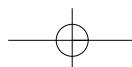


Copper conductors		MD6* - Y500CT	HC120 - SC20- EC127 - Y35 - Y35BH - Y750HS - H750BH - Y39 (+adaptor UADP1)
Hexagonal crimping and punching	Conductor size (mm²)	Die sets	
Preinsulated tubular lugs and sleeves			
10	W8CET	U8CET	
16	W6CET	U6CET	
25	W4CET	U4CET	
35	W2CET	U2CET	
50	W1CET	U1CET	
70	W25ET	U25ET	
70F	W26ET	U26ET	
95	W27ET	U27ET	
120	W28ET	U28ET	



Copper conductors	HWD35	MRD50 - HWD51 - ED52	HDC60 - SD60 - EDC62	MRH70 - H80 - SH80	EDC82	MRD100	HC120 - SC20 - EC127 - Y35 - Y35BH Y750HS - Y750BH Y39 (+adaptor UADP1)
"C" connectors	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets	Die sets
C6 / YC10C10	D5HCU10-150	W238	C6HCU10	H8HCU6-10	C8HCU10	C12HCU10	 
C10 / YC8C8	D5HCU25-95	W162	C6HCU25	H8HCU16-25	C8HCU25		
C16 / YC4C8	D5HCU16-70	WBG	C6HCU70	H8HCU70-120	C8HCU70	D10HCU70	
C25-10 / YC4C6	D5ECU25-95	WBG	C6HCU95	H8HCU35-95	C8HCU95	D10HCU95	
C25PM / YC4C4	D5ECU25-95	WBG	C6HCU95	H8HCU35-95	C8HCU95	D10HCU95	
C25 / YC2C4	D5E173(5)	WC	C6E173(5)	H8HCU50-150	C8HCU150	D10HCU150	
C35 / YC2	C2D5E173(5)	WC	C6173(5)	H8HCU50-150	C8HCU150	D10HCU150	
C50 / YC50C		W173BGF2T		H8HCU50-150	C8HCU150	D10HCU150	
C70-35 / YC26C2		WE					
C70 / YC26C26		WE					
							
Copper conductors	Y46	SU133 - HU135 - Y39E1E - Y39E1BHE	SU210				
"C" connectors	Die sets	Die sets	Die sets				
C6 / YC10C10	C12HCU10						
C10 / YC8C8	C12HCU25						
C16 / YC4C8	C12HCU70						
C25-10 / YC4C6	C12HCU95						
C25PM / YC4C4	C12HCU95						
C25 / YC2C4	C12HCU150						
C35 / YC2C2	C12HCU150						
C50 / YC50C	C12HCU150						
C70-35 / YC26C2	C12HCU240						
C70 / YC26C26	C12HCU240						
							

<b>Copper conductors</b>	<b>HC120 - SC20 - EC127 - Y35 - Y35BH - Y750HS - H750BH Y39 (+ adaptor)</b>		<b>Y46</b>		<b>SU133 - HU135 - Y39E1E - Y39E1BHE</b>		<b>SU210</b>		<b>SAU400</b>
	<b>"C" connectors</b>	<b>Die sets</b>	<b>Die sets</b>	<b>Die sets</b>	<b>Die sets</b>	<b>Die sets</b>	<b>Die sets</b>	<b>Die sets</b>	
	C75	C120C95	C12CC95	U13CC95	U210C95	U210C95	U210C95	U210C95	
	C95-35 / YC28C2	C120C95	C12CC95	U13CC95	U210C95	U210C95	U210C95	U210C95	
	YC28C26	UF	UF	U13CC95	U210C95	U210C95	U210C95	U210C95	
	C95 / YC28C28	C120C95	C12CC95	U13CC95	U210C95	U210C95	U210C95	U210C95	
	C120 / YC29C29	U708	U708	U708	U210C95	U210C95	U210C95	U210C95	
	YC31C28	U708	U708	U708	U210C95	U210C95	U210C95	U210C95	
	C120 / YC150M	U708	U708	U708	U210C95	U210C95	U210C95	U210C95	
	C185 / YC185M	U1011	P1011	P1011	U210C95	U210C95	U210C95	U210C95	
	C240				U210C95	U210C95	U210C95	U210C95	
	YC240C70	(only with Y750)	U1011	P1011	U210C95	U210C95	U210C95	U210C95	
	C240-120 / YC240C120	(only with Y750)	U1011	P1011	U210C95	U210C95	U210C95	U210C95	
	YC240C	U1011	P1011		(only with Y750)				



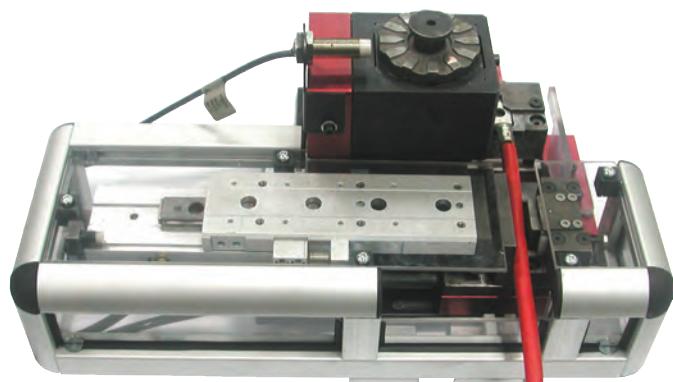
# Tooling



CT-P for tubular and copper brazed terminals of 6 to 95 mm<sup>2</sup>

## General features

- High velocity of compression: compression cycle in 4 seconds only. \*Automatic system that guarantees a constant compression quality during all the life time of the applicator.
- Compression dies easily interchangeable.
- Specific protection for the operator safety.
- Certified CE product according to the standards:  
98/37/CE (Directive of Security of Industrial Machines)  
73/23/CEE (Directive of Electric Security), 36/CEE (Directive of Electromagnetic Compatibility)
- Types of compressions available:
  - Hexagonal with indentor
  - Circumferential
  - Indent
- Possibility to develop components and dies for other kind of terminals, please contact us.

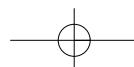


Item code	Part number
7519950	POCT

Characteristics		POCTP
Applicator	Weight (kg)	9.5
	Dimensions (mm)	W360 x H147 x D246
	Pneumatic pressure (Mpa)	0.2
	Power supply (V)	220
	Crimping time (1) (s)	<4
	Die change(min)	<1
	Compatible terminals (ref.)	YAV-DM/YAV-M/YAEV/BY/CTCU-F/CT/CU
Press (2)	Crimping Height (mm)	135.8
	Stroke (mm)	40
	Maximum force developed (kN)	80
	Power (kW)	4.2 (5.5HP)
	Weight (kg)	150
	Voltage (V)	380
	Dimensions (mm)	W310 x H1100 x D400

(1) Cable cutting and stripping excluded, Terminal loading and removing included.

(2) Possibility to buy POCT-P without press.



## Product technical assistance

Our technical and commercial department can advise you on your choice of products



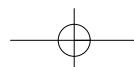
Technical advice

Choice of products

Studies and expertise

Specific solutions

Product training and setting to work



# Technical support for tooling

Our technical and commercial department can provide you with technical support services adapted to your needs.



Demonstration

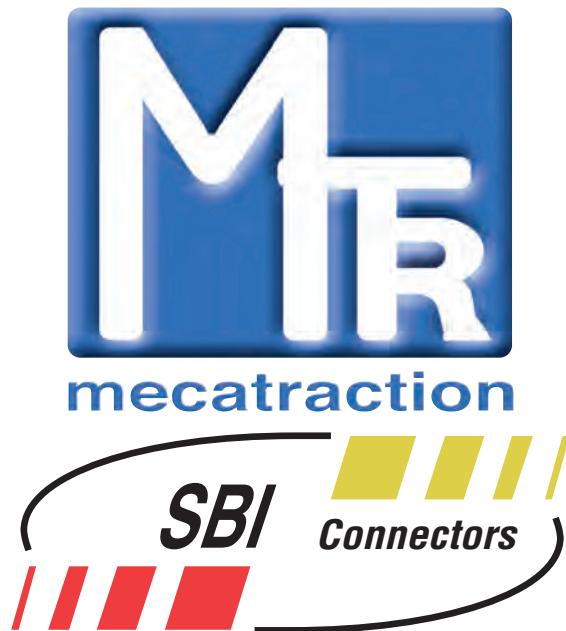
Application

Maintenance/repair

Control/verification

Training on crimping techniques

For any information, please contact us



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