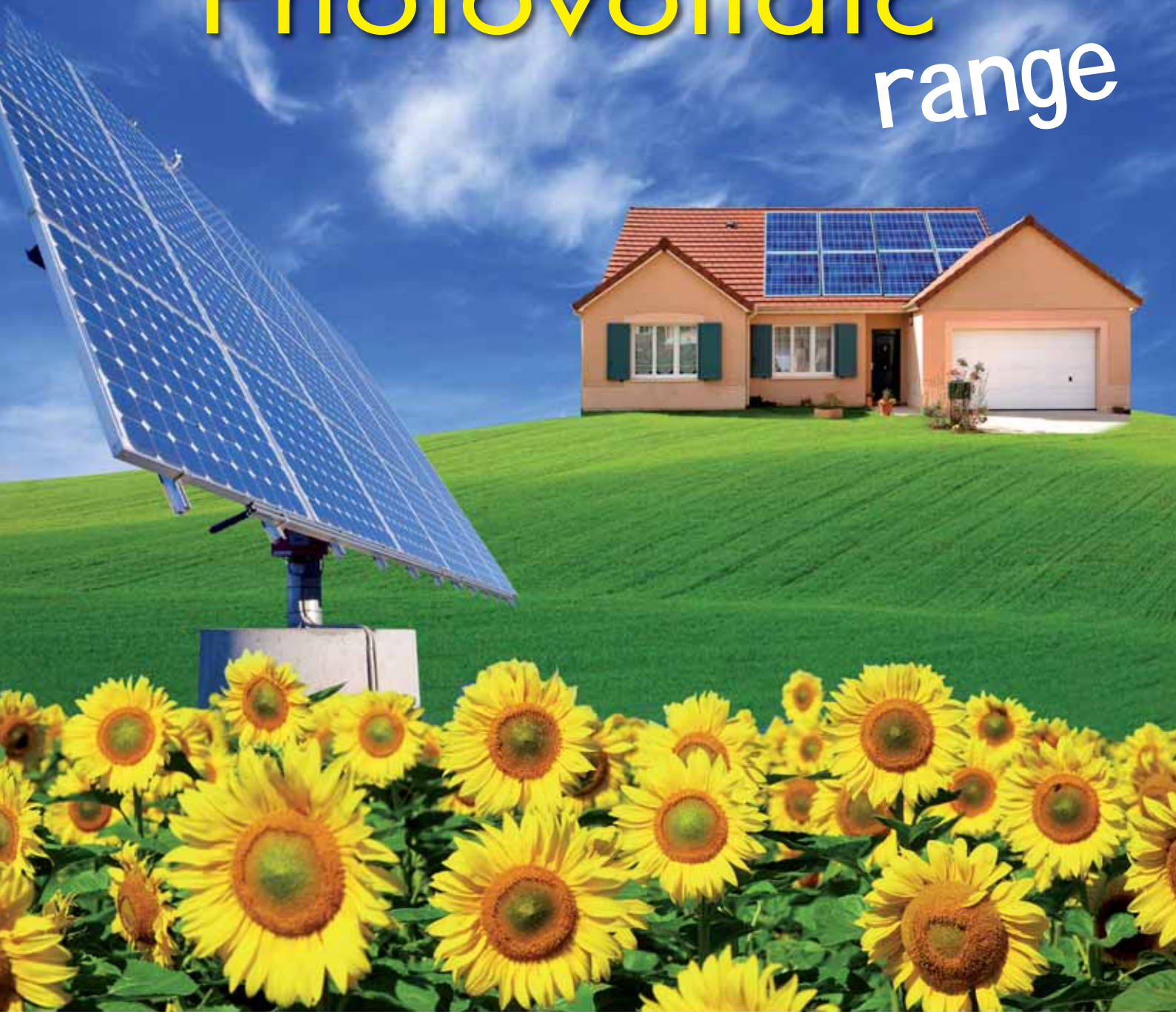


# Photovoltaic range



Connecting



Earthing  
connections



Insulation  
products



Cable ties



Tooling



mecatracting



# Photovoltaic

## **For compliant and long term installations**

*Photovoltaic systems must be assembled in compliance with the requirements of the UTE C 15-712 guide.*

*Products for connecting power, control and earthing systems shall be chosen to facilitate the long term operation of the complete installation.*

*Our documentation will help you to make the right choices.*



## Connecting

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## Earthing connections

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## Tooling

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# Photovoltaic range



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**SOLINQ®**  
Connectors for wiring photovoltaic panels



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**SOLINQ®**  
Cable coupler for connectors



page 10



**SOLFIL®**  
Connectors for "tile panel" modules



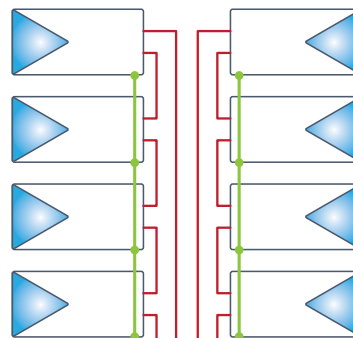
## What UTE C 15-712 says about equipotentiality

**UTE C 15-712** guide deals with photovoltaic installations coupled to the network and is based on the **NF C 15-100** standard for subscribers and **NF C 14-100** for network branching. Consequently, the metallic structures of production materials and supporting structures shall be connected to the same earth connection.

The structures being generally in aluminium, it is proper to take off alumina to establish the connections.

The wire size of the protection conductors is detailed in chapter 6.3.1 of **UTE C 15-712** guide.

**13.1.1.1** "An equipotential conductor must connect all the metallic structures of the modules and the metallic structures of the supports of the PV installation..."



Equipotentiality, earth connection

Cabling to the inverter





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**SOLFIL**®  
Connectors for equipotential bonding



**Tubular lugs**



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page 16



page 15



**Preinsulated terminals**



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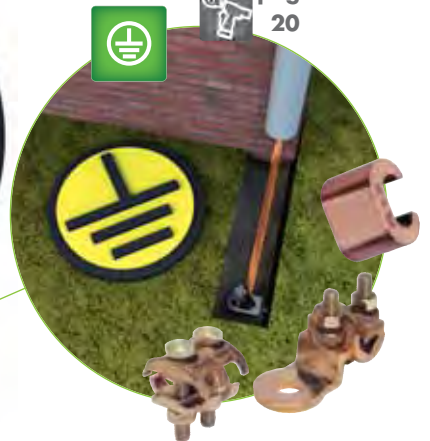
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**Tubular lugs**



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**"C" type connectors, lugs and mechanical connectors, ...**

## SOLINQ® connectors for wiring photovoltaic panels

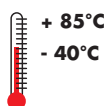
Connecting device for photovoltaic plug-in system solution with the use of a tool. The products are compliant with TÜV standards. This connecting system is resistant to UV, Ozone and is IP67 making it compatible with the market standards.

### General features:

- Contact material: silvered copper
- Box material: Polycarbonate / Polyamide
- Contact diameter: 4 mm
- Acceptable wire sizes: 4 to 6 mm<sup>2</sup>
- Cable insulation diameter: 5 to 8 mm
- Contact type: to be crimped



Female connector



DIN V VDE 0216-03122006



Male connector



Class II

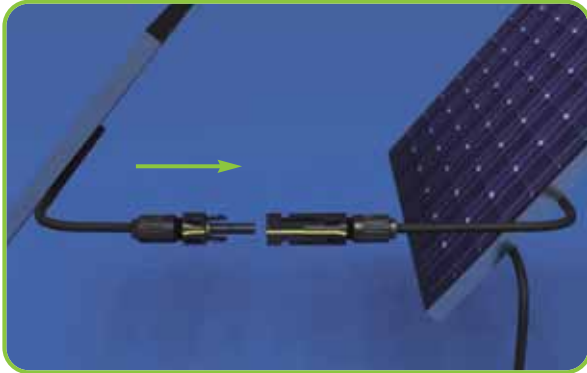


2 males + 1 female coupler



2 females + 1 male coupler

## SOLINQ® implementation example:



IP67 quick connection



Connection with IP67 coupler

Item code	Part number	Description	Packing
7901300	CSMF4	Set containing: 1 male contact - 1 male connector - 1 female contact - 1 female connector	100 pieces of each
7901301	CSM4	Male set: 1 contact + 1 connector	100 pieces of each
7901302	CSF4	Female set: 1 contact + 1 connector	100 pieces of each
7901303	CSMMF4	Male-male / female coupler	10 pieces
7901304	CSFFM4	Female-female / male coupler	10 pieces
7500032	CLECS	Tightening and disassembly-chuck key	1 piece

## Accessory:



Tightening and disassembly-chuck key



Tooling: see page 18

## SOLFIL® connectors for equipotential bonding

### A secure equipotential bonding

SOLFIL® performs the equipotential bond by creating a high-quality electrical contact between the panel chassis and the earth conductor.

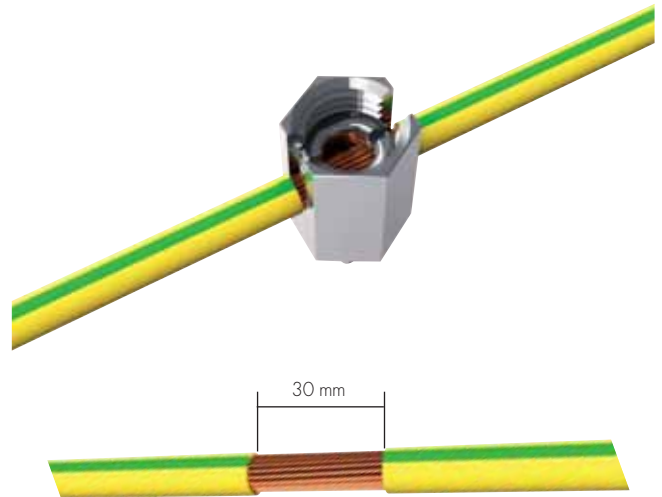
The module frames are made from aluminium which is either anodized or surface treated in some other way. These surface coatings protect the frame against corrosion but are not conductive.

Thanks to the SOLFIL® range, electrical contact with the aluminium of the panel is provided either by:

- *drilling/tapping*, for models with screws secured by the thread pattern, or
- *bolting*, using a toothed lock washer which abrades the surface coating when tightened.

The connection is secured by tightening the earth connector with a max. cross-section of 25 mm<sup>2</sup>.

If using a conductor with insulation, a length of 30 mm must be stripped.



The SOLFIL® models are made from stainless steel, guaranteeing excellent resistance against corrosion whilst ensuring galvanic compatibility with the aluminium.

## SOLFIL® connectors for standard frame modules



**SFP4RE6**

With bolt for Ø 6 mm (0.26") drilled hole. The toothed lock washer guarantees the electric contact.



**SFP4VT10**

With self-tapping screw for Ø 4 mm (0.16") drilled hole.



**SFP4AF8/SFP6AF8**

With self-drilling screw.

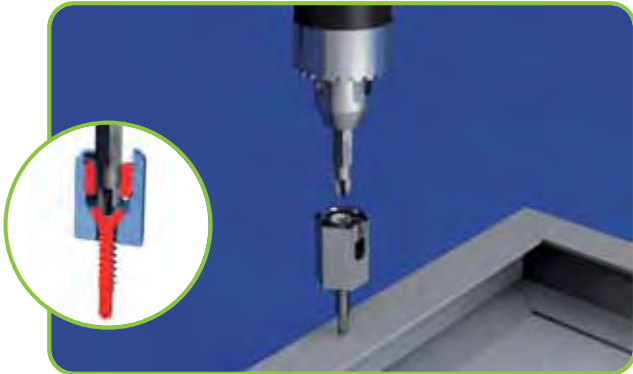
Fixing on an existing drilled hole

Fixing without an existing drilled hole

Tooling: see page 10



## Implementation of the **SOLFIL**® with self-drilling screw example:



**SOLFIL**® can be fixed quickly by drilling and tapping the chassis, using a screwdriver equipped with a PZ2 cross-threaded bit. Thanks to its specific design, this operation is performed without removing the screw that tightens the cable.

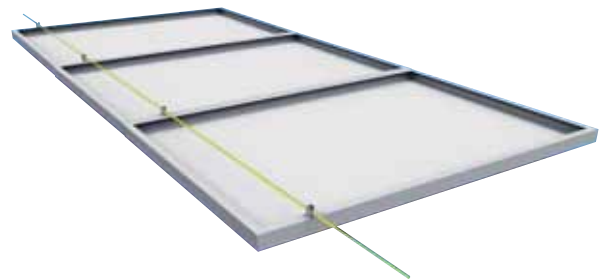


After stripping a length of 30 mm, the earth conductor is installed.









The earth conductor is fixed using the tightening screw with a recess for a flat screwdriver.

**Tightening with EVBSFP specific bit**



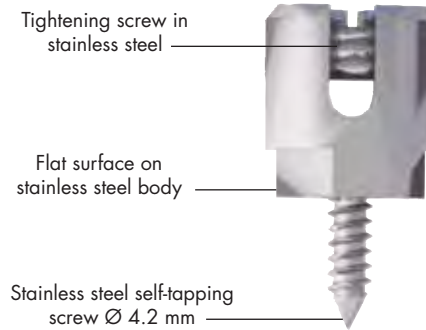
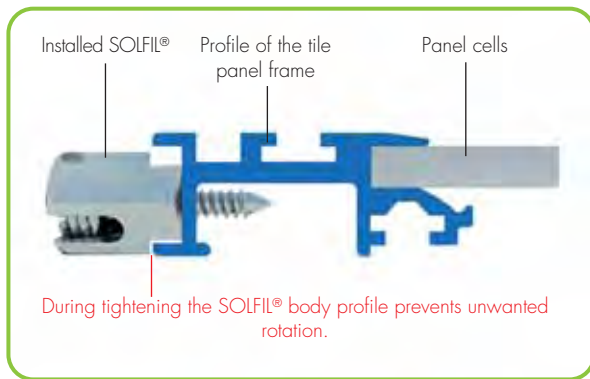
This installation method allows a panel to be removed without breaking the earth circuit.



Product	Item code	Part number	Packing	Fixing	Material	Tightening capacity (mm <sup>2</sup> )
	7341900	SFP4RE6	100 pieces	Bolt M6	Stainless steel	Multi-strand or solid earth conductor  4 6 10 4+4 6+6
	7341910	SFP4VT10	100 pieces + 1 screwing bit 	Self-tapping screw no.10 (Ø 4.8 mm)		
	7341920	SFP4AF8	100 pieces + 1 screwing bit	Self-drilling screw no.8 (Ø 4.2 mm)		
	7341921	SFP6AF8				

## SOLFIL® connectors for "tile panel" modules


Utilisation of the already existing  $\varnothing$  3.5 mm earthing holes. Screwdriver no. 2 or electric screwdriver with PZ2 bit.

Tighten the coupler to a maximum of 3 N/m. The flat face on the body prevents rotation during application.



Product	Item code	Part number	Packing	Fixing	Material	Tightening capacity (mm <sup>2</sup> )
	7341913	SFP41916	100 pieces + 1 screwing bit 	Self-tapping screw ( $\varnothing$ 4.2 mm)	Stainless steel	4 6 10 4+4 6+6

## Tooling for SOLFIL® connectors

SOLFIL® specific bit	Item code	Part number	Application
	7500033	EVBSFP	Specific bit adapted to the cable screwing on SOLFIL®

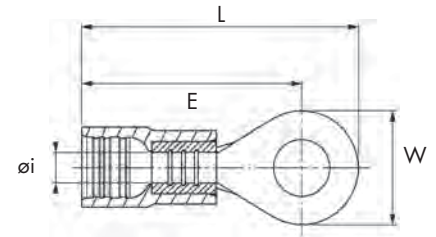
Insulation window stripping tool	Item code	Part number	Stripping capacity
	7500035	DSOLFILSFP	4 to 25 mm <sup>2</sup>
	7483679	LAMEDSOLFIL	Set of spare blades (4 short + 1 long)

## Preinsulated ring terminals

Tin-plated copper. Barrel with funnel entry. Grooves inside the barrel for a better electric contact and a better pullout resistance. Polyamide insulation. Max. operating temperature: 105°C. Easy entry. Flammability rating: UL 94V0. Halogen free.



Compliant with CEI 60352-2



Conductor size (mm <sup>2</sup> )	Bulk 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
2.6 - 6	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
	7 210 211	NC2-6	7 210 210	B100NC2-6	6.4	6	13.8	3.3	25.1	32

## Preinsulated disconnects

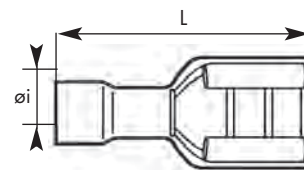
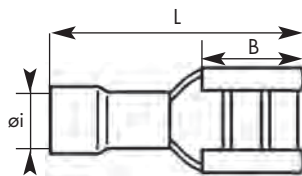
Tin-plated brass. Barrel with funnel entry. Grooves inside the barrel provide a better pullout resistance. PVC insulating sleeve. Easy entry. Copper sleeve for double crimping. Max. operating temperature: 75°C. Flammability rating: UL 94V0.



8625



8625TI



Conductor size (mm <sup>2</sup> )	Packing 100 pieces/bag		Insulation Ø max. (mm)	Width (mm)	Thickness (mm)	Øi (mm)	B (mm)	L (mm)
	Item code	Part number						
2.6 - 6	7 307 621	8625	6.2	6.35	0.8	3.4	7.3	23.3
	7 307 622	8625TI	6.2	6.35	0.8	3.4	-	24.2

Other preinsulated terminals: see the general catalogue

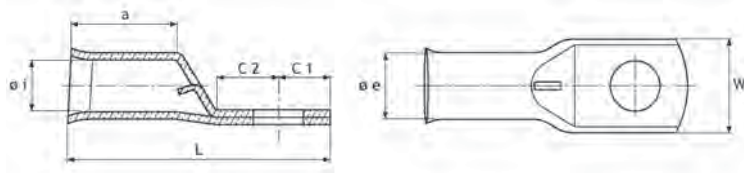
Tooling: see page 19



## Copper tubular lugs

Compliant with NF C 20-130

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



Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Stud size Ø mm	Dimensions (mm)							Dies
					W	Øi	Øe	C1	C2	a	L	
2.5	7 417 001	2.5-3	100	3	7.5	2.4	4	3.6	6	7	20	/
	7 417 011	2.5-4	100	4	9	2.4	4	4.4	6	7	21	
	7 417 021	2.5-5	100	5	9	2.4	4	4.4	6	7	21	
	7 417 031	2.5-6	100	6	9	2.4	4	4.4	6	7	21	
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	9	14.6	37.6	...HCU 25
	7 406 476	25-8 CT	50	8	16	6.6	9.5	9	11	14.6	41.6	
	7 406 486	25-10 CT	50	10	16	6.6	9.5	9	11	14.6	41.6	
	7 406 496	25-12 CT	50	12	17.5	6.6	9.5	9	11	14.6	41.6	
35	7 406 536	35-6 CT	50	6	15	7.9	11	9	10	16.5	43.5	...HCU 35
	7 406 546	35-8 CT	50	8	17	7.9	11	9	10	16.5	43.5	
	7 406 556	35-10 CT	50	10	17	7.9	11	9	10	16.5	43.5	
	7 406 566	35-12 CT	50	12	18.5	7.9	11	9	10	16.5	43.5	
50	7 406 606	50-6 CT	50	6	18	9.2	12.5	7	9	18.5	43.5	...HCU 50
	7 406 616	50-8 CT	50	8	18	9.2	12.5	10	14	18.5	51	
	7 406 626	50-10 CT	50	10	18	9.2	12.5	10	14	18.5	51	
	7 406 636	50-12 CT	50	12	19	9.2	12.5	10	14	18.5	51	

Other tubular lugs: see the general catalogue

Tooling: see page 20

## "C" type connectors for copper earth conductors

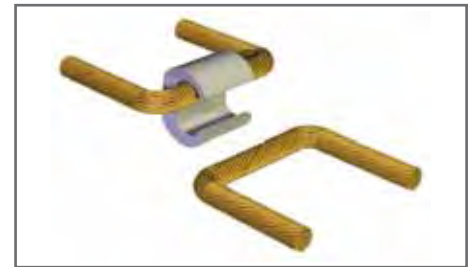
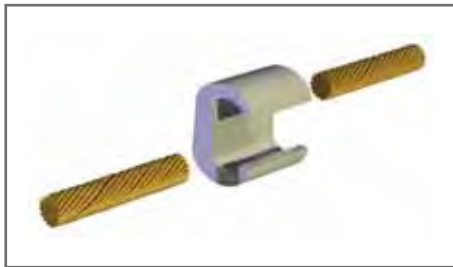
Compression tap-off "C" type connectors made from electrolytic copper enable branching-off without cutting the main cable.



Mounting A

Mounting A

Mounting B



Copper			Tin-plated copper			Dim. (mm)			Capacity (mm <sup>2</sup> )						Dies	
Item code	Part number	Pack- ing	Item code	Part number	Pack- ing	L	H	B	Total		Min.		Max.		Moun- ting	Die
									Min.	Max.	1	2	1	2		
7 340 103	C 6	100	7 340 104	C 6 E	100	9	10	6.4	3	12	1.5	1.5	6	6	A	..HCU 10
7 340 132	C 10	100	7 340 131	C 10 E	100	12	12.5	8.5	13	20	10	2x1.5	10	10	A	..HCU 25
7 340 152	C 16	100	7 340 151	C 16 E	100	17	19	11.5	19	32	10	9	16	16	A+B	..HCU 70
7 340 185	C 25-10	100	7 340 184	C 25-10 E	100	17	19.8	13	17	35	16	1.5	25	10	A	..HCU 95
7 340 180	C 25 PM	50	7 340 181	C 25 PME	50	19	21	11.9	35	41	25	10	25	16	A+B	..HCU 95
7 340 172	C 25	50	7 340 171	C 25 E	50	20	24.3	15	33	56	25	10	29.3	29.3	A	..HCU 150
											27	6	35	16	A+B	
											30	2x1.5	30	16	A+B	
7 340 212	C 35	50	7 340 211	C 35 E	50	20	26.5	15	53	70	30	25	35	35	A+B	..HCU 150
											50	2x1.5	50	16	A+B	
7 340 232	C 50	50	7 340 231	C 50 E	50	20	26.5	17.2	66	100	50	16	50	50	A	..HCU 150
											63	2x1.5	70	30	A	
													75	25	A	

Other C type connectors: see the general catalogue

## Bimetal (aluminium-copper) washers

Aluminium-copper washers limiting the galvanic couple between copper pieces and aluminium support.  
Other dimensions: see the general catalogue.



Packing 100 pieces/bag		Ø A (mm)	Ø B (mm)	Thickness (mm)
Item code	Part number			
7341500	BI12-5	5.3	12	2
7341499	BI12-6	6.5	12	2

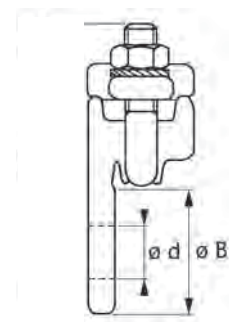
## Mechanical connectors

The mechanical connectors are manufactured from solid brass and are fitted with 60 kg zinc plated steel U-bolts or fitted with bronze U-bolts (in that case please suffix the PN with the letter "B").

Branch tongue lugs

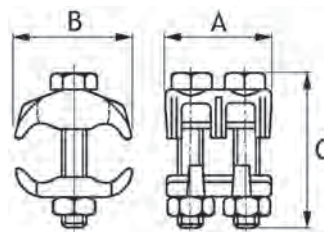


Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Number of U bolts	Ø B (mm)	Ø d (special) (mm)
6 - 75	7 600 731	CTR10	25	1	26	11 (9)*
	7 600 732	CTR10B	25	1	26	11 (9)*
35 - 150	7 600 741	CTR16	25	1	26	13
	7 600 742	CTR16B	25	1	26	13



\* Other holes on request.

Clamp connectors

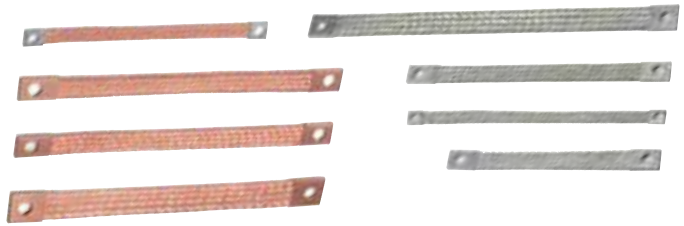
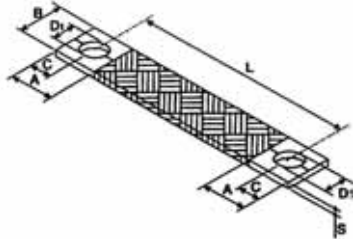


Conductor size (mm <sup>2</sup> )	Item code	Part number	Packing	Bolts	A (mm)	B (mm)	C (mm)
4 - 30	7 601 001	RG1-25	50	1 x M 6	18	22	24
	7 601 002	RG1-25B					
4 - 16	7 601 011	RG2-16	50	2 x M 5	21	19	29
	7 601 012	RG2-16B					
4 - 35	7 601 021	RG2-35	25	2 x M 5	24	24	29
	7 601 022	RG2-35B					
4 - 50	7 601 031	RG2-50	25	2 x M 6	28	29	34
	7 601 032	RG2-50B					



## Mass braids

Cu ETP copper wire. Sleeved and flattened ends aid a positive connection. Available plain or tin-plated.



Plain copper		Tin-plated copper		Conductor size mm <sup>2</sup>	Ø wires	Dimensions (mm)					
Item code	Part number	Item code	Part number			L	A	B	C	S	D1
7520300	TMP6-6-100	7520340	TMPE6-6-100	6	0.10	100	13	11	5	2.0	7
7520301	TMP6-6-150	7520341	TMPE6-6-150			150					
7520302	TMP10-8-150	7520342	TMPE10-8-150	10	0.20	150	23	17	10	2.0	9
7520303	TMP10-8-200	7520343	TMPE10-8-200			200					
7520304	TMP10-8-250	7520344	TMPE10-8-250			250					
7520305	TMP16-8-150	7520345	TMPE16-8-150	16	0.20	150	23	17	10	2.5	9
7520306	TMP16-8-200	7520346	TMPE16-8-200			200					
7520307	TMP16-8-250	7520347	TMPE16-8-250			250					
7520308	TMP16-8-300	7520348	TMPE16-8-300			300					
7520309	TMP25-8-150	7520349	TMPE25-8-150	25	0.20	150	23	23	10	3.2	9
7520310	TMP25-8-200	7520350	TMPE25-8-200			200					
7520311	TMP25-8-250	7520351	TMPE25-8-250			250					
7520312	TMP25-8-300	7520352	TMPE25-8-300			300					

## Black polyamide cable ties

Material: polyamide 6.6. Halogen free. Melting temperature: 255°C. Flammability rating: UL 94 V2. Limit oxygen index: 27%. Operating temperature: -40°C to +80°C. Assembling temperature: -10°C to +60°C. Regain of humidity (24 h): 1.3%. Resistance to external agents: bases, oils, hydrocarbons, chlorinated solvents. Limited resistance to acids. Non resistant to phenols. Packing: 100 pieces/bags.

Compliant with MIL-S-23190E standard



Item code	Part number	Length (mm)	Width (mm)	Ø max bundle (mm)	Tensile strength (DaN)
7133001	CCE100-2,5	100	2.5	20	8.1
7133003	CCE140-3,6	140	3.6	30	18.2
7133009	CCE295-4,8	295	4.8	75	22.2
7133011	CCE370-4,8	370	4.8	100	22.2

Tooling: see page 22

## CPX55 series heat shrink tubing

The products of CPX55 series are products offering a good quality/price ratio and having good physical, chemical and dielectric properties. They cover a wide range of applications.

- Continuous operating temperature: -55°C to +125°C.
- Standard shrink ratio: 2/1.
- Flame retardant.
- Black colour (other colours on request).
- Length: 1.20 m.



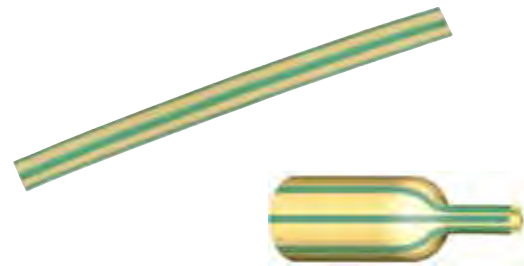
Implementation: when CPX55 is heated at 110°C minimum, it will shrink to 50% of its initial diameter.

Item code	Part number	Expanded Min. inside Ø (D) (mm)	Recovered	
			Max. inside Ø (d) (mm)	Nominal wall thickness (W) (mm)
7460608	CPX55-3BKL	2.4	1.2	0.50
7460614	CPX55-4BKL	3.2	1.6	0.50
7460620	CPX55-5BKL	4.8	2.4	0.50
7460626	CPX55-6BKL	6.4	3.2	0.60
7460632	CPX55-7BKL	9.5	4.8	0.60
7460638	CPX55-8BKL	12.7	6.4	0.60
7460644	CPX55-9BKL	16.0	8.0	0.60
7460650	CPX55-10BKL	19.0	9.5	0.80
7460656	CPX55-11BKL	25.4	12.7	0.90

## CPX201 series heat shrink tubing

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.
- Length: 1.20 m.



Implementation: when CPX201 is heated at 90°C, it will shrink to 33% of its initial diameter.

Item code	Part number	Expanded Min. inside Ø (D) (mm)	Recovered	
			Max. inside Ø (d) (mm)	Nominal wall thickness (W) (mm)
7462509	CPX201-1L	3.2	1.0	0.55
7462510	CPX201-2L	4.8	1.5	0.60
7462511	CPX201-3L	6.4	2.0	0.65
7462512	CPX201-4L	9.5	3.0	0.75
7462513	CPX201-5L	12.7	4.0	0.75
7462514	CPX201-6L	19.0	6.0	0.85
7462515	CPX201-7L	25.4	8.0	1.00

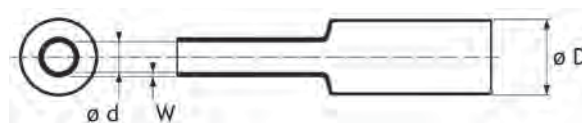
## CPA100 series moisture-proof heat shrink tubing

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 protection of the covered product.

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 for example.

- Continuous operating temperature: -55°C to +110°C.
- Standard shrink ratio: 3/1 or 4/1.
- Semi-flexible.
- Protection against humidity
- Flame retardant external wall.
- Length: 1.20 m.



Implementation: when CPA100 is heated at 95°C minimum, it will shrink to 33% of its initial diameter.

Item code	Part number	Expanded Min. inside Ø (D) (mm)	Recovered	
			Max. inside Ø (d) (mm)	Nominal wall thickness (W) (mm)
7464000	CPA100-30	3.0	1.0	1.0
7464001	CPA100-31	4.5	1.6	1.10
7464002	CPA100-32	6.0	2.0	1.20
7464003	CPA100-33	9.0	3.0	1.40
7464004	CPA100-34	12.0	4.0	1.70
7464005	CPA100-35	19.0	6.0	2.10
7464006	CPA100-36	4.0	8.0	2.40

**Tooling: see page 22**



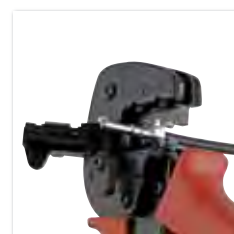
## Crimping tools for SOLINQ® connectors



### CCRIMP standard model

Body in burnished steel. Quick change die system. Security ratchet. Closing pressure adjustment. Convenient die storage within the handles. Insulated bi-material handles for greater comfort.

Item code	Part number
7500041	CCRIMP
<b>Die for connector</b> <b>Conductor size 2.5 - 4 - 6 mm<sup>2</sup></b>	
7500037	MCC4



### Specifical model with product positioner

High quality, convenient and robust tool. High crimping quality thanks to the rectilinear motion. Positive location of the dies. 3 indents die (2.5-4-6 mm<sup>2</sup>) with swivel stopper for perfect positioning of the contacts. Security ratchet.

Item code	Part number
7500030	PCS256
<b>Die for connector</b> <b>Conductor size 2.5 - 4 - 6 mm<sup>2</sup></b>	
7500031	MPCS256

## Stripping tool for photovoltaic conductors



### Hand stripping tool for photovoltaic conductors

#### Item code

#### Part number

Strips standard solar conductors. Stripping length from 8 to 24 mm. Cuts conductors on insulation up to max. 3 mm Ø. Length: 180 mm. Weight: 0.210 kg.

7500038

DSOLAR156

## Crimping tool for preinsulated terminals



### For preinsulated terminals from 0.34 to 6 mm<sup>2</sup>

#### Item code

#### Part number

Crimping of preinsulated terminals from 0.34 to 6 mm<sup>2</sup>. Length: 245 mm. Weight: 0.640 kg. Body in chromium plated steel, bi-material insulated handles enabling crimping and binding in only one operation, security ratchet and adjustable crimping pressure.

7 500 205

CT 0346

## Mechanical hand tools



**Indent crimping hand tool from 0.5 to 10 mm<sup>2</sup>**

**Item code**

**Part number**

Indent crimping from 0.5 to 10 mm<sup>2</sup> brazed terminals and tubular lugs series CT and CU. Length: 260 mm. Weight: 0.380 kg. Insulated handles in PVC. Security ratchet.

7 500 067

MB 524



**Hexagonal crimping hand tool from 6 to 50 mm<sup>2</sup>**

**Item code**

**Part number**

Hexagonal crimping from 6 to 50 mm<sup>2</sup> copper tubular lugs and connectors (series CT). Length: 400 mm. Weight: 1.305 kg. Conductor size adjustment by rotating dies.

7 503 151

TN 50 HX

Box on request: Item code: 7 503 153 - Part number: CMTN50HX.

## Compression tools



**Mechanical hand compression tool - 50 kN for hexagonal crimping from 4 to 120 mm<sup>2</sup>**

**Item code**

**Part number**

Mechanical hand compression tool for crimping with interchangeable dies. Length: 420 mm. Weight: 2 kg. Reverse-lock mechanism ensures a complete crimping operation. Fast opening and closing head. Insulated handles in PVC. Quick change die system.

7 504 001

MRD 50

**Gauge**

7 504 003


PGM 1

**Box**

7 504 002

CMMRD 50

Dies for copper tubular lugs, connectors and connectors type C for MRD50 compression tool

Dies	Conductor size mm <sup>2</sup>	Item code	Part number	Conductor size mm <sup>2</sup>	Item code	Part number
	4	7 504 132	D5 HCU 4-120	35	7 504 111	D5 HCU 6-35
	6	7 504 111	D5 HCU 6-35	50	7 504 121	D5 HCU 10-50
	10	7 504 121	D5 HCU 10-50	70	7 504 101	D5 HCU 16-70
	16	7 504 101	D5 HCU 16-70	95	7 504 131	D5 HCU 25-95
	25	7 504 131	D5 HCU 25-95	120	7 504 132	D5 HCU 4-120



**Hand hydraulic compression tool - 35 kN for hexagonal crimping from 4 to 150 mm<sup>2</sup>**

**Item code**      **Part number**

Light and ergonomic hydraulic hand compression tool enabling crimping with only one hand CT series tubular lugs and MJ series butt connectors. Dimensions: 215 x 50 x 175 mm. Weight: 1.370 kg. Fast closing and opening head, rotating through 360°. Ram return by a decompression lever. Audible "click" and automatic release of pressure when 35 kN power has been reached. One gear pump. Tool delivered with a plastic box which has placement for 10 sets of dies.

7 500 650

HVD 35

Hexagonal dies for copper tubular lugs, butt connectors and connectors type C

Conductor size mm <sup>2</sup>	Item code	Part number	Conductor size mm <sup>2</sup>	Item code	Part number
4	7 500 651	D35 HCU 4	50	7 500 657	D35 HCU 50
6	7 500 652	D35 HCU 6	70	7 500 658	D35 HCU 70
10	7 500 653	D35 HCU 10	95	7 500 659	D35 HCU 95
16	7 500 654	D35 HCU 16	120	7 500 660	D35 HCU 120
25	7 500 655	D35 HCU 25	150	7 500 661	D35 HCU 150
35	7 500 656	D35 HCU 35			



## Insulation tool for cable ties



**Tool for cable ties with a width from 2.2 to 4.8 mm**

**Item code**

**Part number**

Fixing and automatic cutting of cable ties. Metal body and handle.  
Weight: 350 g.

7 500 301

5401

## Heat gun



**Heat gun with 3-stage temperature switch**

**Item code**

**Part number**

Heat gun with 3-stage temperature switch. When in use, choose the temperature degree and the hot air flow speed. Our hot air apparatus offers a variety of possible applications. Due to the high hot air flow, the high temperatures and the light weight of the device, 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: 220 V.

7 469 912

HL 1810 S

**Surface nozzle (50 mm)**

7 469 902

BS 701

**Surface nozzle (75 mm)**

7 469 903

BS 702

**Reflector nozzle (30 mm)**

7 469 904

BR 705

**Large reflector nozzle (75 mm)**

7 469 905

BR 730

**Reducing nozzle (Ø 14 mm)**

7 469 907

BR 14

**Reducing nozzle (Ø 20 mm)**

7 469 906

BR 20



**BS 701**



**BR 705**



**BR 14**

## Hand cable-cutters



### For copper or aluminium conductors

### Item code

### Part number

For copper or aluminium conductors up to Ø 25 mm. Exceptional new shape and quality of the blade. Preliminary and definitive cuts (1st and 2nd blades). Do not cut steel. Length: 200 mm. Weight: 0.300 kg. PVC insulated handles.

7 507 110

CC 20



### Ratchet hand cable-cutter

### Item code

### Part number

Cutting capacity for copper or aluminium conductors up to Ø 34 mm: aluminium: 240 mm<sup>2</sup>, copper: 185 mm<sup>2</sup>; do not cut steel; length: 210 mm; weight: 0.750 kg; polypropylen insulated handles.

7 519 562

MRK 34



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