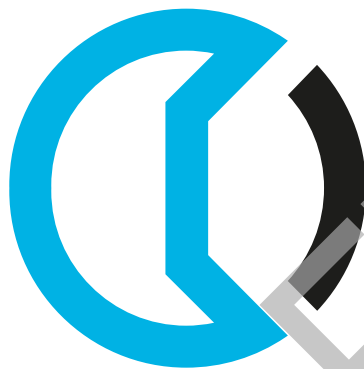


PRODUCT OVERVIEW - INDUSTRY



CEMBRE



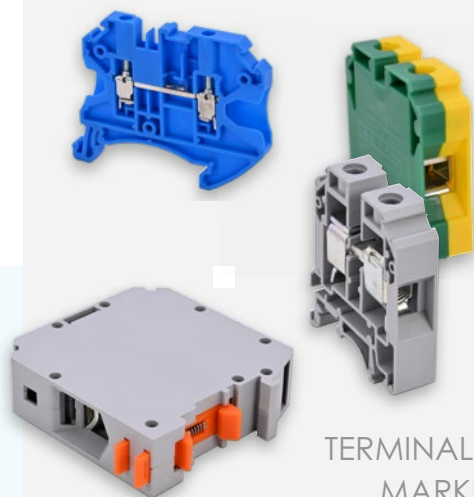
FOLLOW THE CABLE STRATEGY

WIRE MARKERS:

MG-TPMF MG-TDM/TDMO KM-ROLL



TERMINAL BLOCKS



TERMINAL BLOCK
MARKERS:
MG-CPM



END SLEEVES



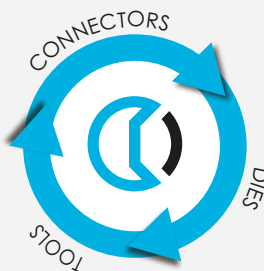
TERMINALS

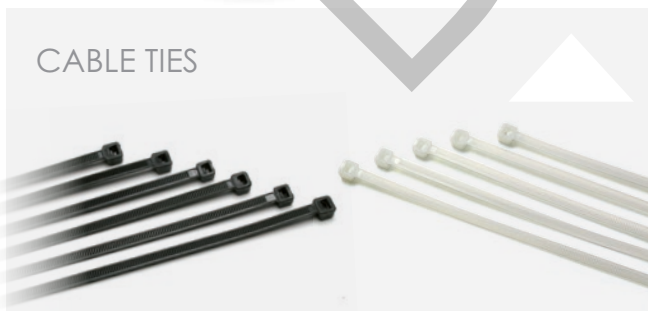


DISTRIBUTION BLOCKS



MANUAL AND AUTOMATIC
CRIMPING TOOLS & DIES





CONNECTORS FOR CONTROL, POWER AND DISTRIBUTION

A-M



COPPER TUBE CRIMPING LUGS

A-M series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out. CEMBRE lugs are annealed to guarantee optimum ductility, which is an absolute necessity for connectors that have to withstand the severe deformation arising when compressed, and any bending of the palm during installation.

Cond. Size mm ²	Stud Diameter mm								
	M4	M5	M6	M8	M10	M12	M14	M16	M20
6	A1-M4	A1-M5	A1-M6	A1-M8	A1-M10				
10	A2-M4	A2-M5	A2-M6	A2-M8	A2-M10	A2-M12			
16	A3-M4	A3-M5	A3-M6	A3-M8	A3-M10	A3-M12			
25	A5-M4	A5-M5	A5-M6	A5-M8	A5-M10	A5-M12			
35		A7-M5	A7-M6	A7-M8	A7-M10	A7-M12			
50			A10-M6	A10-M8	A10-M10	A10-M12	A10-M14	A10-M16	
70			A14-M6	A14-M8	A14-M10	A14-M12	A14-M14	A14-M16	
95			A19-M6	A19-M8	A19-M10	A19-M12	A19-M14	A19-M16	A19-M20
120				A24-M8	A24-M10	A24-M12	A24-M14	A24-M16	A24-M20
150				A30-M8	A30-M10	A30-M12	A30-M14	A30-M16	A30-M20
185				A37-M8	A37-M10	A37-M12	A37-M14	A37-M16	A37-M20
240				A48-M8	A48-M10	A48-M12	A48-M14	A48-M16	A48-M20
300					A60-M10	A60-M12	A60-M14	A60-M16	A60-M20
400						A80-M12	A80-M14	A80-M16	A80-M20
500								A100-M16	A100-M20
630								A120-M16	A120-M20

A-M



RING TONGUE TERMINALS WITH CONTAINED PALM

This range of terminals features contained palm width and has been specifically developed for application on L.V. circuit breakers with reduced space terminal blocks. The contained palm width allows an immediate and easier installation.

Cond. Size mm ²	Stud Diameter mm					
	M5	M6	M8	M10	M12	M16
10	A2-M5/9					
16	A3-M5/9					
25	A5-M5/9					
35		A7B-M6/11.5*				
50		A10B-M6/11.5*				
70		A14B-M6/11.5*				
95			A19B-M8/15.5*			
120			A24B-M8/19*	A24B-M10/19*		
150			A30B-M8/19*	A30B-M10/19*		
185				A37B-M10/24.5*		
240				A48-M10/31	A48-M12/31	A48-M16/31
300				A60B-M10/31*	A60B-M12/31*	

*Without inspection hole

A-2M



COPPER TUBE CRIMPING LUGS

A-2M... series lugs are manufactured from electrolytic Copper tube conforming to EN13600. The tube dimensions are designed to optimise electrical conductivity and mechanical strength.

Palms feature double stud holes at standard 44.5mm centres. Other configurations are available upon request.

mm ²	Stud Diameter mm					
	M8	M10	M12	M14	M16	M16/
35	A7-2M8	A7-2M10	A7-2M12			
50	A10-2M8	A10-2M10	A10-2M12			
70	A14-2M8	A14-2M10	A14-2M12	A14-2M14		
95		A19-2M10	A19-2M12	A19-2M14	A19-2M16	
120		A24-2M10	A24-2M12	A24-2M14	A24-2M16	
150		A30-2M10	A30-2M12	A30-2M14	A30-2M16	
185		A37-2M10	A37-2M12	A37-2M14	A37-2M16	
240		A48-2M10	A48-2M12	A48-2M14	A48-2M16	
300		A60-2M10	A60-2M12	A60-2M14	A60-2M16	A60-2M16/36
400			A80-2M12	A80-2M14	A80-2M16	A80-2M16/41
500			A100-2M12	A100-2M14	A100-2M16	
630			A120-2M12		A120-2M16	
800			A160-2M12		A160-2M16	

2A-M



HEAVY DUTY COPPER TUBE TERMINALS

2A-M series terminals are made from high purity Copper tube, and are annealed. They feature a double length barrel for enhanced electrical and mechanical performance in heavy duty applications.

The absence of an inspection hole prevents the entry of water or moisture into the crimped joint making these terminals suitable for outdoor applications.

Cond. Size mm ²	Stud Diameter mm					
	M8	M10	M12	M14	M16	M20
16	2A3-M8	2A3-M10				
25	2A5-M8	2A5-M10	2A5-M12			
35	2A7-M8	2A7-M10	2A7-M12			
50		2A10-M10	2A10-M12	2A10-M14	2A10-M16	
70		2A14-M10	2A14-M12	2A14-M14	2A14-M16	
95		2A19-M10	2A19-M12	2A19-M14	2A19-M16	2A19-M20
120		2A24-M10	2A24-M12	2A24-M14	2A24-M16	2A24-M20
150		2A30-M10	2A30-M12	2A30-M14	2A30-M16	2A30-M20
185			2A37-M12	2A37-M14	2A37-M16	2A37-M20
240			2A48-M12	2A48-M14	2A48-M16	2A48-M20
300			2A60-M12	2A60-M14	2A60-M16	2A60-M20
400			2A80-M12	2A80-M14	2A80-M16	2A80-M20

HR-N



COPPER TUBE CRIMPING LUGS

HR-N series lugs are manufactured from electrolytic Copper tube and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out.

The barrel entrance of the lug is chamfered to allow easy conductor insertion, while its length facilitates precise positioning of the crimping die.

Also available as HRS-N version with inspection hole.

Cond. Size mm ²	Stud Diameter mm						
	M6	M8	M10	M12	M14	M16	M20
10	HR10-6N	HR10-8N	HR10-10N	HR10-12N			
16	HR16-6N	HR16-8N	HR16-10N	HR16-12N			
25	HR25-6N	HR25-8N	HR25-10N	HR25-12N	HR25-14N		
35	HR35-6N	HR35-8N	HR35-10N	HR35-12N	HR35-14N	HR35-16N	
50	HR50-6N	HR50-8N	HR50-10N	HR50-12N	HR50-14N	HR50-16N	HR50-20N
70	HR70-6N	HR70-8N	HR70-10N	HR70-12N	HR70-14N	HR70-16N	HR70-20N
95		HR95-8N	HR95-10N	HR95-12N	HR95-14N	HR95-16N	HR95-20N
120		HR120-8N	HR120-10N	HR120-12N	HR120-14N	HR120-16N	HR120-20N
150		HR150-8N	HR150-10N	HR150-12N	HR150-14N	HR150-16N	HR150-20N
185			HR185-10N	HR185-12N	HR185-14N	HR185-16N	HR185-20N
240			HR240-10N	HR240-12N	HR240-14N	HR240-16N	HR240-20N
300				HR300-12N	HR300-14N	HR300-16N	HR300-20N

DR-N



COPPER TUBE CRIMPING LUGS ACCORDING TO DIN 46235

DR series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%, and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out.

CEMBRE lugs are annealed and Tin plated for improved surface protection. Dimensions are according to DIN 46235.

Cond. Size mm ²	Stud Diameter mm						
	M5	M6	M8	M10	M12	M16	M20
10	DR10-5N	DR10-6N	DR10-8N*	DR10-10N*			
16		DR16-6N	DR16-8N	DR16-10N	DR16-12N*		
25		DR25-6N	DR25-8N	DR25-10N	DR25-12N		
35		DR35-6N*	DR35-8N	DR35-10N	DR35-12N	DR35-16N*	
50		DR50-6N*	DR50-8N	DR50-10N	DR50-12N	DR50-16N	
70			DR70-8N	DR70-10N	DR70-12N	DR70-16N	DR70-20N*
95			DR95-8N*	DR95-10N	DR95-12N	DR95-16N	DR95-20N*
120			DR120-8N*	DR120-10N	DR120-12N	DR120-16N	DR120-20N
150				DR150-10N	DR150-12N	DR150-16N	DR150-20N
185				DR185-10N	DR185-12N	DR185-16N	DR185-20N
240				DR240-10N*	DR240-12N	DR240-16N	DR240-20N
300					DR300-12N*	DR300-16N	DR300-20N

* Dimensions of the tube according to DIN 46235; Stud hole not included within the standard.

T-M



COPPER TUBE CRIMPING LUGS ACCORDING TO NF C 20-130

T-M series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

In applications subject to vibration, lugs still have to provide a reliable connection and annealing plays a vital role in avoiding cracking or breaks between the barrel and palm. The insertion of the cable is facilitated by the flared design.

Cond. Size mm ²	Stud Diameter mm							
	M5	M6	M8	M10	M12	M14	M16	M20
6	T6-M5	T6-M6	T6-M8					
10	T10-M5	T10-M6	T10-M8	T10-M10				
16	T16-M5	T16-M6	T16-M8	T16-M10				
25		T25-M6	T25-M8	T25-M10	T25-M12			
35		T35-M6	T35-M8	T35-M10	T35-M12			
50		T50-M6	T50-M8	T50-M10	T50-M12			
70			T70-M8	T70-M10	T70-M12			
95			T95-M8	T95-M10	T95-M12	T95-M14	T95-M16	
120			T120-M8	T120-M10	T120-M12	T120-M14	T120-M16	
150				T150-M10	T150-M12	T150-M14	T150-M16	
185				T185-M10	T185-M12	T185-M14	T185-M16	
240				T240-M10	T240-M12	T240-M14	T240-M16	T240-M20
300				T300-M10	T300-M12	T300-M14	T300-M16	T300-M20
400							T400-M16	T400-M20

CAA-M



BIMETALLIC CONNECTORS

The barrels of series CAA-M connectors are made from Aluminium of a purity equal to or greater than 99.5%.

The barrel is friction welded to the palm thus achieving the best possible transition between the copper palm and Aluminium barrel.

Barrels are capped and filled with grease so as to avoid oxidation of the Aluminium.

Cond. Size mm ²	Stud Diameter mm			
	M10	M12	M14	M16
10		CAA10-M12		
16		CAA16-M12		
25		CAA25-M12		
35		CAA35-M12		
50		CAA50-M12		
70		CAA70-M12		
95	CAA95-M10	CAA95-M12		
120		CAA120-M12		
150		CAA150-M12		
185		CAA185-M12		
240		CAA240-M12		
300		CAA300-34-M12	CAA300-34-M14	CAA300-34-M16
400				CAA300-M16
400		CAA400-M12		CAA400-M16
500				CAA500-M16TNBD

HYDRAULIC CRIMPING AND CUTTING TOOLS

HT51

6-240mm²



Crimping force: 50kN

- Weight: 2,7 Kg
- Double speed action
- 180° rotating head

HT131-C

10-400mm²



Crimping force: 130kN

- Weight: 5,5 Kg
- Double speed action
- 180° rotating head
- Will accept all semi-circular slotted dies

HT131-UC

10-400mm²



Crimping force: 130kN

- Weight: 5,4 Kg
- Double speed action
- 180° rotating head
- Uses accessories for deep stepped indenting with containing dies

KT3N

Ø34mm



Cu/Al

- Weight: 600 g
- Head can be opened to allow the cutting of running cables

KT4N

Ø62mm



Cu/Al

- Weight: 800 g
- Head can be opened to allow the cutting of running cables

HT-TC026

Ø25mm



Cu/Al /Aldrey/Steel/ACSR

- Weight: 3,2 Kg
- Double speed action
- Head can be opened to allow the cutting of running cables
- 180° rotating head

HT-TC051

Ø50mm



Cu/Al

- Weight: 4,38 Kg
- Double speed action
- Head can be opened to allow the cutting of running cables
- 90° rotating head

BATTERY POWERED HYDRAULIC CRIMPING TOOLS

B500ND

6-300mm²

Tool Type	Supplied Battery Charger Type
B500ND	ASC55-EU with EUROPEAN plug
B500NDE	ASC55-UK with UK plug
B500NDA	ASC55-USA/CA (115V) with USA/CANADA plug
B500NDT	ASC55-AUS/NZ with AUSTRALIAN/NEW ZEALAND plug



Crimping force: 60kN

- Weight: 3,15 Kg
- Li-Ion 18.0V 2.0Ah Battery
- Multifunction OLED Display
- Bilinear structure
- Smart release
- 180° rotating head
- Electronic Pressure Sensor "EPS"

B600CND

6-300mm²

Tool Type	Supplied Battery Charger Type
B600CND	ASC55-EU with EUROPEAN plug
B600CNDE	ASC55-UK with UK plug
B600CNDA	ASC55-USA/CA (115V) with USA/CANADA plug



Crimping force: 60kN

- Weight: 3,15 Kg
- Li-Ion 18.0V 2.0Ah Battery
- Multifunction OLED Display
- Bilinear structure
- Smart release
- 180° rotating head
- Electronic Pressure Sensor "EPS"

B1350-C

10-400mm²

Tool Type	Supplied Battery Charger Type
B1350-C	ASC55-EU with EUROPEAN plug
B1350-CE	ASC55-UK with UK plug
B1350-CA	ASC55-USA/CA (115V) with USA/CANADA plug
B1350-CT	ASC55-AUS/NZ with AUSTRALIAN/NEW ZEALAND plug



Crimping force: 132kN

- Weight: 6,5 Kg
- Li-Ion 18.0V 5.2Ah Battery
- Multifunction OLED Display
- Double speed action
- LED lighting
- Electronic Pressure Sensor "EPS"

B1300-C

10-400mm²

Tool Type	Supplied Battery Charger Type
B1300-C	ASC55-EU with EUROPEAN plug
B1300-CE	ASC55-UK with UK plug
B1300-CA	ASC55-USA/CA (115V) with USA/CANADA plug
B1300-CT	ASC55-AUS/NZ with AUSTRALIAN/NEW ZEALAND plug



Crimping force: 132kN

- Weight: 6,8 Kg
- Li-Ion 18.0V 5.2Ah Battery
- Multifunction OLED Display
- Double speed action
- LED lighting
- Electronic Pressure Sensor "EPS"

B1300L-C

10-400mm²

Tool Type	Supplied Battery Charger Type
B1300L-C	ASC55-EU with EUROPEAN plug
B1300L-CE	ASC55-UK with UK plug
B1300L-CA	ASC55-USA/CA (115V) with USA/CANADA plug
B1300L-CT	ASC55-AUS/NZ with AUSTRALIAN/NEW ZEALAND plug



Crimping force: 132kN

- Weight: 8,0 Kg
- Large 42 mm jaw opening
- Li-Ion 18.0V 5.2Ah Battery
- Multifunction OLED Display
- Double speed action • LED lighting
- Electronic Pressure Sensor "EPS"

B1300-UC

10-400mm²

Tool Type	Supplied Battery Charger Type
B1300-UC	ASC55-EU with EUROPEAN plug
B1300-UCE	ASC55-UK with UK plug
B1300-UCA	ASC55-USA/CA (115V) with USA/CANADA plug
B1300-UCT	ASC55-AUS/NZ with AUSTRALIAN/NEW ZEALAND plug



Crimping force: 132kN

- Weight: 6,5 Kg
- Li-Ion 18.0V 5.2Ah Battery
- Multifunction OLED Display
- Double speed action
- LED lighting
- Electronic Pressure Sensor "EPS"

BATTERY POWERED HYDRAULIC CUTTING TOOLS AND CRIMPING & CUTTING HEADS

RH50

6-300mm²



Crimping force: 50kN

- Weight: 1,6 Kg
- Max operating pressure: 700 bar
- Head can be opened

RHC131

10-400mm²



Crimping force: 130kN

- Weight: 3,8 Kg
- Max operating pressure: 700 bar
- Jaw opening: 25 mm
- Same crimping range as RH131-C

RHM50

6-300mm²



Crimping force: 50kN

- Weight: 1,6 Kg
- Max operating pressure: 700 bar
- Same crimping range as B500ND; B500
- Particularly suitable for high volume bench crimping.

RHU131-C

10-400mm²



Crimping force: 130kN

- Weight: 3,7 Kg
- Max operating pressure: 700 bar
- Uses accessories for deep stepped indenting with containing dies.

ECW-H3D

10-630mm²



Crimping force: 230kN

- Weight: 5,5 Kg
- Max operating pressure: 700 bar
- Adaptor type AU230-130D is available to utilise the semi-circular slotted dies which are common to most 130 kN tools

TC050

Ø50mm



Cu/Al

- Weight: 3,2 Kg
- Max operating pressure: 700 bar
- Head can be opened to allow the cutting of running cables

B-TC500

Ø50mm



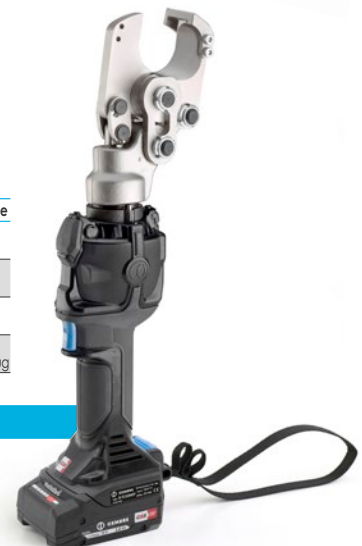
Tool Type	Supplied Battery Charger Type
B-TC500	ASC55-EU with EUROPEAN plug
B-TC500E	ASC55-UK with UK plug
B-TC500A	ASC55-USA/CA (115V) with USA/CANADA plug
B-TC500T	ASC55-AUS/NZ with AUSTRALIAN/NEW ZEALAND plug

Cu/Al

- Weight: 5,8 Kg
- Li-Ion 18.0V 5.2Ah Battery
- 90° rotating head
- Head can be opened to allow the cutting of running cables

B-TC320NDF

Ø32mm



Tool Type	Supplied Battery Charger Type
B-TC320NDF	ASC55-EU with EUROPEAN plug
B-TC320NDFE	ASC55-UK with UK plug
B-TC320NDFA	ASC55-USA/CA (115V) with USA/CANADA plug
B-TC320NDFT	ASC55-AUS/NZ with AUSTRALIAN/NEW ZEALAND plug

Cu/Al

- Weight: 4,0 Kg
- Li-Ion 18.0V 2.0Ah Battery
- Bilinear structure
- 180° rotating head
- LED lighting
- Scissor head facilitates the cutting of cables

PULLER-TYPE HOLE PUNCHING TOOL, PORTABLE HYDRAULIC PUMPS AND BENCH PRESS TOOL

RH-FL75

Ø140mm



Max punching Ø: 140 mm

- Weight: 1,9 Kg
- Max operating pressure: 700 bar
- Supplied with Pullers TD-11, TD-19 and spiral bit Ø11,5mm

HT-FL75

Ø140mm



Max punching Ø: 140 mm

- Weight: 2,4 Kg
- Punching head pivots 180° through a full 360° rotation
- Double speed action
- Supplied with Pullers TD-11, TD-19 and spiral bit Ø11,5mm

B-FL750ND

Ø140mm

Tool Type	Supplied Battery Charger Type
B-FL750ND	ASC55-EU with EUROPEAN plug
B-FL750NDE	ASC55-UK with UK plug
B-FL750NDA	ASC55-USA/CA (115V) with USA/CANADA plug
B-FL750NDT	ASC55-AUS/NZ with AUSTRALIAN/NEW ZEALAND plug



Max punching Ø: 140 mm

- Weight: 4,1 Kg
- Li-Ion 18.0V 5.2Ah Battery
- Punching head pivots 180° through a full 360° rotation
- Double speed action
- Supplied with Pullers TD-11, TD-19 and spiral bit Ø11,5mm

B68M-P18

700bar

Tool Type	Supplied Battery Charger Type
B68M-P18	ASC55-EU with EUROPEAN plug
B68M-P18E	ASC55-UK with UK plug
B68M-P18A	ASC55-USA/CA (115V) with USA/CANADA plug
B68M-P18T	ASC55-AUS/NZ with AUSTRALIAN/NEW ZEALAND plug



ELECTRO-HYDRAULIC PUMP

- Operating pressure: 700 Bar
- Weight: 5,6 Kg
- Li-Ion 18.0V 5.2Ah Battery
- LED working lights and OLED display
- Remote control
- Supplied with 2m flexible hose
- Double speed action

CPE-1

700bar



ELECTRICALLY DRIVEN HYDRAULIC PUMP

- Operating pressure: 700 Bar
- Weight: 21 Kg
- Powered by a 230V / 50-60Hz single-phase electrical motor
- Supplied with 2 m high pressure flexible hose
- Remote hand controller
- External supply connection cable
- Degree of protection IP55

PNB-1

0,2-35mm²



BENCH PRESS TOOL

- Nominal operating pressure: 6 bar
- Weight: 23 Kg
- Operated by a manual control
- Consistent crimped connection
- Extensive range of interchangeable dies
- Available for crimping a wide variety of connectors

INSULATED CRIMP TERMINALS

RF BF GF


PVC INSULATED - ring terminals



Cond. Size mm ²	Colour Code	Stud Diameter mm									
		M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16
0,25 ÷ 1,5	Red	RF-M3	RF-M3.5	RF-M4	RF-M5	RF-M6	RF-M8	RF-M10	RF-M12	—	—
1,5 ÷ 2,5	Blue	BF-M3	BF-M3.5	BF-M4	BF-M5	BF-M6	BF-M8	BF-M10	BF-M12	—	—
4 ÷ 6	Yellow	GF-M3	GF-M3.5	GF-M4	GF-M5	GF-M6	GF-M8	GF-M10	GF-M12	GF-M14	GF-M16

PVC INSULATED - fork/spade terminals



Cond. Size mm ²	Colour Code	Stud Diameter mm									
		M3	M3.5	M4	M5	M6	M8	M10	M12	M14	M16
0,25 ÷ 1,5	Red	RF-U3	RF-U3.5	RF-U4	RF-U5	RF-U6	RF-U8	RF-U10	RF-U12	—	—
1,5 ÷ 2,5	Blue	BF-U3	BF-U3.5	BF-U4	BF-U5	BF-U6	BF-U8	BF-U10	BF-U12	BF-U14	—
4 ÷ 6	Yellow	GF-U3	GF-U3.5	GF-U4	GF-U5	GF-U6	GF-U8	GF-U10	GF-U12	GF-U14	GF-U16

The unique funnel shaped PVC sleeve guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection. The internal surface of the barrel is rifled to improve contact with conductor strands when crimped and to increase tensile strength. The "F" range of terminals offers a wide selection of rings, forks, pins and blades, designed to meet the ever changing end user requirements. The operating temperature range is -20 to +80°C (Surge +90°C). Also available Halogen Free.

PVC INSULATED - pin terminals



Cond. Size mm ²	Colour Code	Pin length mm			
		8,0	10,0	12,0	14,0
0,25 ÷ 1,5	Red	RF-P8	RF-P10	RF-P12	—
1,5 ÷ 2,5	Blue	BF-P8	BF-P10	BF-P12	—
4 ÷ 6	Yellow	—	GF-P10	GF-P12	GF-P14

PVC INSULATED - blade terminals



Cond. Size mm ²	Colour Code	Blade length mm				
		12,8/13,3*	13,2	14,8	17,2	33,3
0,25 ÷ 1,5	Red	RF-PP12	RF-PP12/23	RF-PP14	RF-PP16/23	—
1,5 ÷ 2,5	Blue	BF-PP12	BF-PP12/25	—	BF-PP16/25	—
4 ÷ 6	Yellow	GF-PP12	—	—	—	GF-PP17

* Dimension for GF-PP12.

RF-F BF-F GF-F


FEMALE DISCONNECT TERMINALS - Polycarbonate insulated terminals



Cond. Size mm ²	Colour Code	Tab Size mm				
		2,8x0,5	2,8x0,8	4,8x0,5	4,8x0,8	6,35x0,8
0,25 ÷ 1,5	Red	RF-F305	RF-F308*	RF-F405	RF-F408	RF-F608
1,5 ÷ 2,5	Blue	—	—	BF-F405	BF-F408	BF-F608
4 ÷ 6	Yellow	—	—	—	—	GF-F608

- Electrolytically Tin plated
- The operating temperature range is -20 to +115°C (Surge +130°C).
- Add to code: P for fully insulated terminals.

*Not UL approved

RF-M BF-M GF-M


MALE DISCONNECT TERMINALS Polycarbonate insulated



Cond. Size mm ²	Tab Size mm	Colour Code	partially insulated	fully insulated
0,25 ÷ 1,5	6,35x0,8	Red	RF-M608	RF-M608P
1,5 ÷ 2,5	6,35x0,8	Blue	BF-M608	BF-M608P
4 ÷ 6	6,35x0,8	Yellow	GF-M608	—

- Electrolytically Tin plated
- The operating temperature range is -20 to +115°C (Surge +130°C).

NL-P

CLOSE END CONNECTORS Polyamide PA6.6 insulated



Cond. Size mm ²	Colour Code	Type
0,25 ÷ 1,5	Red	NL03-P
1,5 ÷ 2,5	Blue	NL06-P
4 ÷ 6	Yellow	NL06-PB
10	Red	NL1-P
16	Blue	NL1-PG

- Electrolytically Tin plated
- The operating temperature range is -20 to +115°C (Surge +130°C).

PL


BUTT AND PARALLEL CONNECTORS PVC insulated



Cond. Size mm ²	Colour Code	Type
0,2 ÷ 0,5	Green	PL01-M*
0,25 ÷ 1,5	Red	PL03-M
1,5 ÷ 2,5	Blue	PL06-M
4 ÷ 6	Yellow	PL1-M
0,25 ÷ 1,5	Red	PL03-P*
1,5 ÷ 2,5	Blue	PL06-P*

- Electrolytically Tin plated
- The operating temperature range is -20 to +80°C (Surge +90°C).

*Not UL approved

NL-M

BUTT CONNECTORS Polyamide PA6.6 insulated



Cond. Size mm ²	Colour Code	Type
0,25 ÷ 1,5	Red	NL03-M
1,5 ÷ 2,5	Blue	NL06-M
4 ÷ 6	Yellow	NL1-M
10	Red	NL2-M
16	Blue	NL3-M

- Electrolytically Tin plated
- The operating temperature range is -20 to +115°C (Surge +130°C).

INSULATED END SLEEVES



PA6 INSULATED



Cond. Size mm ²	Colour	Type	Cond. Size mm ²	Colour	Type	Cond. Size mm ²	Colour	Type
0,3 ÷ 0,5		PKD506	1,5		PKD1508	10		PKD1012
		PKD508			PKD1510			PKD1018
		PKD510			PKD1512			PKD1612
0,75		PKD7506	2,5		PKD1518	16		PKD1618
		PKD7508			PKD2508			PKD25016
		PKD7510			PKD2512			PKD25022
		PKD7512			PKD2518			PKD35016
1		PKD106	4		PKD410	35		PKD35025
		PKD108			PKD412			PKD50020
		PKD110			PKD418			PKD50025
		PKD112						
			6		PKD612	50		
					PKD618			



PA6 INSULATED



Cond. Size mm ²	Colour	Type	Cond. Size mm ²	Colour	Type
0,1÷0,3		PKE308	4		PKE410
0,3÷0,5		PKE508			PKE412
0,75		PKE7508			PKE418
1		PKE108	6		PKE612
1,5		PKE1508			PKE618
		PKE1510			PKE1012
		PKE1518			PKE1018
		PKE2508	16		PKE1612
2,5		PKE2512			PKE1618
		PKE2518			PKE25016
			25		PKE25022



PA6 INSULATED



Cond. Size mm ²	Colour	Type	Cond. Size mm ²	Colour	Type	Cond. Size mm ²	Colour	Type
0,3 ÷ 0,5		PKC508	2,5		PKC2508	25		PKC25016
		PKC510			PKC2512			PKC25022
0,75		PKC7508			PKC2518			PKC35016
		PKC7512	4		PKC410	35		PKC35025
1		PKC108			PKC412			PKC50020
		PKC112			PKC418			PKC50025
		PKC1508	6		PKC612	50		PKC70022*
1,5		PKC1510			PKC618			PKC95025*
		PKC1518			PKC1012	70		PKC120027*
			10		PKC1018			
					PKC1612			
			16		PKC1618	95		

*Not UL approved



"TWIN" PA6 INSULATED



Cond. Size mm ²	Colour	Type	Cond. Size mm ²	Colour	Type
2x0,5		PKT508	2x2,5		PKT2510
		PKT510			PKT2512
2x0,75		PKT7508	2x4		PKT412
		PKT7510	2x6		PKT614
2x1		PKT108	2x10		PKT1014*
		PKT110	2x16		PKT1614
		PKT1508			
2x1,5		PKT1510			

*Not UL approved

The PK.. range of end sleeves is manufactured from Tin plated electrolytic Copper with a purity greater than 99.9%. Designed and developed to reinforce fine wire strands when terminating a cable into a connector block. The PKD series of insulated end sleeves comply with specification DIN 46228/4.

The operating temperature range is – 20 to + 115°C (Surge + 130°C).

MECHANICAL CRIMPING TOOLS

HP3 HP5



Crimpstar®

Crimping range:
PVC, PC and PA6.6 insulated terminals and connectors for conductor sizes:

- **HP3:** 0,25 to 6 sqmm
- **HP5:** 0,5 to 6 sqmm (for both right and left handed operators)
- Length: 235 mm



HN-A25



Crimpstar®

Crimping range:
Uninsulated terminals and connectors A-M, L-M and L-P series for conductor sizes:

- 10 to 25 sqmm
- Length: 230 mm



ZKE610N ZKE616N



ZKEN

Crimping range:
Single aperture, ratchet controlled tool for crimping end sleeves for conductor sizes:

- **ZKE610N:** 0,1 to 10 sqmm
- **ZKE616N:** 0,1 to 16 sqmm



HWE1N

HWE1N with interchangeable dies

- A single tool body with a range of interchangeable dies allows a quick and simple transfer from one cable/connector combination to another, across a range of applications. the tool is supplied without dies.
- Length: 240 mm



HNKE4 HNKE16 HNKE50



Crimpstar®

Crimping range:
End sleeves for conductor sizes:

- **HNKE4:** 0,5 to 4 sqmm
- **HNKE16:** 4 to 16 sqmm
- **HNKE50:** 25 - 35 -50 sqmm
- Length: 235 mm



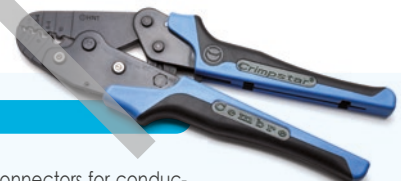
HN1 HN5



Crimpstar®

Crimping range:
Uninsulated terminals and connectors for conductor sizes:

- **HN1:** 0,25 to 10 sqmm
- **HN5:** 10 and 16 sqmm
- Length: 235 mm



TNE-A50 TNE-A120

TNE

Crimping range:
Uninsulated terminals and connectors A-M, L-M and L-P series for conductor sizes:

- **TNE-A50:** 6 to 50 sqmm
- **TNE-A120:** 10 to 120 sqmm



ASSORTMENT CASE

VALSTAR-N1 VALSTAR-N2 VALSTAR-N3



PLASTIC CASE

VALSTAR-N1

- a selection of end sleeves PKC cond. size 1 to 6 mm²
- Cable ties type G100X2.5
- Tool type ZKE610N

VALSTAR-N2

- a selection of end sleeves PKE cond. size 1 to 6 mm²
- Cable ties type G100X2.5
- Tool type ZKE610N

VALSTAR-N3

- a selection of end sleeves PKD cond. size 1 to 6 mm²
- Cable ties type G100X2.5
- Tool type ZKE610N

VALSTAR-N4

PLASTIC CASE

Containing:

- An assortment of PVC insulated crimp terminals for conductor sizes 0,25 to 6 mm²
- Cable ties G100X2.5
- Tool Crimpstar® HP3.



VALSTAR-N5

PLASTIC CASE

Containing:

- Tool type HWE1N
- KE16-WE die
- RBY-WE die



CABLE TIES

CABLE TIES IN PA6.6

Material: PA6.6 Polyamide Self-extinguishing V2 (UL 94)
Humidity absorption: 2,5% (at 50% relative humidity)

Operating temperature:

From -40°C to +85°C (continuous)

From -40°C to +120°C (short periods)

Resistant to:

oils, greases, oil products, chlorinated solvents.

Colour: Natural or Black (Ral 2005)



A	L	Type	A	L	Type	A	L	Type	A	L	Type	A	L	Type
2,4	80	G80X2.4	2,8	250	G250X2.8	4,8	120	G120X4.8	7,6	150	G150X7.6	12,6	230	G230X12.6
		G80X2.4N			G250X2.8N			G120X4.8N			G150X7.6N			G230X12.6N
		G80X2.4/M			G300X2.8			G160X4.8			G200X7.6			G380X12.6
		G80X2.4N/M			G300X2.8N			G160X4.8N			G200X7.6N			G480X12.6
		G90X2.4			G120X3.6			G190X4.8			G250X7.6			G480X12.6N
	90	G90X2.4N		120	G120X3.6N		190	G190X4.8N		250	G250X7.6N		580	G580X12.6
		G100X2.5			G140X3.6			G190X4.8/M			G300X7.6			G580X12.6N
		G100X2.5N			G140X3.6N			G190X4.8N/M			G300X7.6N			G730X12.6
		G100X2.5/M			G140X3.6/M			G200X4.8		300	G370X7.6			G730X12.6N
		G100X2.5N/M			G140X3.6N/M			G200X4.8N			G370X7.6N			G880X12.6
2,5	120	G120X2.5		150	G150X3.6		200	G200X4.8/M		370	G430X7.6		880	G880X12.6N
		G120X2.5N			G180X3.6			G200X4.8/M			G430X7.6N			G1030X12.6
		G140X2.5			G180X3.6N			G250X4.8/M		430	G530X7.6			G1030X12.6N
		G140X2.5N			G200X3.6		250	G250X4.8N/M			G530X7.6N			
		G140X2.5/M			G200X3.6N			G250X4.8		530	G430X9.0			
	140	G140X2.5N/M		180	G200X3.6N/M			G280X4.8			G430X9.0N			
		G160X2.5			G150X3.6N		280	G280X4.8N		530	G530X9.0N			
		G160X2.5N			G180X3.6			G300X4.8			G710X9.0			
		G160X2.5/M			G250X3.6			G300X4.8N		710	G710X9.0N			
		G160X2.5N/M			G250X3.6N		300	G370X4.8			G780X9.0			
2,5	160	G200X2.5		200	G300X3.6N		370	G370X4.8N		780	G780X9.0N			
		G200X2.5N			G300X3.6N/M			G390X4.8			G830X9.0			
		G200X2.5/M			G370X3.6			G390X4.8N		830	G830X9.0N			
		G200X2.5N/M			G370X3.6N		390	G430X4.8			G920X9.0			
								G430X4.8N			G920X9.0N			
	200			250			430	G450X4.8		920	G1020X9.0			
								G450X4.8N			G1020X9.0N			
								G530X4.8		1020	G1220X9.0			
								G530X4.8N			G1220X9.0N			
	250			300			450			1220				
	370			370			530							

CABLE GLANDS

1900



MAXIblock®

Material: POLYAMIDE PA6.6
Sealing ring: NEOPRENE®
Protection: IP 68
Temperature range:
-40°C to +100°C (static)
-20°C to +90°C (dynamic)
Standard is Light Grey.
Add to code: N for Black,
G for Dark Grey



Thread	Type			
	Standard	Extended Entry	Reduced Entry	Extended Thread
M12x1.5	1900.M12	-	1910.M12	1901.M12
M16x1.5	1900.M16	-	1910.M16	1901.M16
M20x1.5	1900.M20	1940.M20	1910.M20	1901.M20
M25x1.5	1900.M25	1940.M25	1910.M25	1901.M25
M32x1.5	1900.M32	1940.M32	1910.M32	1901.M32
M40x1.5	1900.M40	1940E.M40 1941E.M40 1940.M40 1941.M40	1910.M40	1901.M40
M50x1.5	1900.M50	1940.M50 1940E.M50	1910.M50	1901.M50
M63x1.5	1900.M63	1940.M63	1910.M63	1901.M63

*VDE only for Metric thread

Thread	Type		
	Standard	Reduced Entry	Extended Thread
Pg7	1900.07	1910.07	1901.07
Pg9	1900.09	1910.09	1901.09
Pg11	1900.11	1910.11	1901.11
Pg13.5	1900.13	1910.13	1901.13
Pg16	1900.16	1910.16	1901.16
Pg21	1900.21	1910.21	1901.21
Pg29	1900.29	1910.29	1901.29
Pg36	1900.36	1910.36	1901.36
Pg42	1900.42	1910.42	1901.42
Pg48	1900.48	1910.48	1901.48

1900/X



MAXIblock®

Material: POLYAMIDE PA6.6
Sealing ring: NEOPRENE®
Protection: IP 68
Temperature range:
-40°C to +100°C (static)
-20°C to +90°C (dynamic)
Standard is Light Grey



Thread	Complete with locknuts with collar
M12x1.5	1900.M12/X
M16x1.5	1900.M16/X
M20x1.5	1900.M20/X
M25x1.5	1900.M25/X
M32x1.5	1900.M32/X
M40x1.5	1900.M40/X
M50x1.5	1900.M50/X
M63x1.5	1900.M63/X

*VDE only for Metric thread

Thread	Complete with locknuts with collar
Pg7	1900.07/X
Pg9	1900.09/X
Pg11	1900.11/X
Pg13.5	1900.13/X
Pg16	1900.16/X
Pg21	1900.21/X
Pg29	1900.29/X
Pg36	1900.36/X
Pg42	1900.42/X
Pg48	1900.48/X

1500



spiralblock®

Material: POLYAMIDE PA6.6
Sealing ring: NEOPRENE®
Protection: IP 68
Temperature range:
-40°C to +100°C (static)
-20°C to +90°C (dynamic)
Standard is Light Grey.
Add to code: N for Black



Thread	Type
	Standard
M12x1.5	1500.M12
M16x1.5	1500.M16
M20x1.5	1500.M20
M25x1.5	1500.M25
M32x1.5	1500.M32

*VDE only for Metric thread

Thread	Type
	Standard
Pg7	1500.07
Pg9	1500.09
Pg11	1500.11
Pg13.5	1500.13
Pg16	1500.16
Pg21	1500.21

Thread	Type
	Standard
G1/4"	1500.14
G3/8"	1500.38
G1/2"	1500.12
G3/4"	1500.34

CABLE GLANDS

2900



MAXIbrass®

Material: NICKEL PLATED BRASS
Sealing ring: NEOPRENE®
Cable grip insert: POLYAMIDE PA6.6
O-Ring: NITRILE 70 sh A
Protection: IP 68
Temperature range:
-40°C to +100°C (static)
-25°C to +100°C (dynamic)



Thread	Type				
	Standard	Extended Entry	Reduced Entry	Extended Thread	Ext / Reduced
M12x1.5	2900.M12N	2940.M12N	2910.M12N	2901.M12N	2911.M12N
M16x1.5	2900.M16N	2940.M16N	2910.M16N	2901.M16N	2911.M16N
M20x1.5	2900.M20N	2940.M20N	2910.M20N	2901.M20N	2911.M20N
M25x1.5	2900.M25N	2940.M25N	2910.M25N	2901.M25N	2911.M25N
M32x1.5	2900.M32N	2940.M32N	2910.M32N	2901.M32N	2911.M32N
M40x1.5	2900.M40N	2940.M40N	2910.M40N	2901.M40N	2911.M40N
M50x1.5	2900.M50N	2940.M50N 2940E.M50N	2910.M50N	2901.M50N	2911.M50N
M63x1.5	2900.M63N	2940.M63N	2910.M63N	-	-
M75x1.5	2900.M75N	-	2910.M75N 2910E.M75N	-	-

*VDE only for Metric thread

Thread	Type			
	Standard	Reduced Entry	Extended Thread	Ext / Reduced
Pg7	2900.07N	2910.07N	2901.07N	2911.07N
Pg9	2900.09N	2910.09N	2901.09N	2911.09N
Pg11	2900.11N	2910.11N	2901.11N	2911.11N
Pg13.5	2900.13N	2910.13N	2901.13N	2911.13N
Pg16	2900.16N	2910.16N	2901.16N	2911.16N
Pg21	2900.21N	2910.21N	2901.21N	2911.21N
Pg29	2900.29N	2910.29N	2901.29N	2911.29N
Pg36	2900.36N	2910.36N	2901.36N	2911.36N
Pg42	2900.42N	2910.42N	2901.42N	2911.42N
Pg48	2900.48N	2910.48N	-	-

7900



MAXIinox

Material: STAINLESS STEEL 303/316L
Sealing ring: NEOPRENE®
Cable grip insert: POLYAMIDE PA6.6
O-Ring: NITRILE 70 sh A
Protection: IP 68

Temperature range:
-40°C to +100°C (static)
-25°C to +100°C (dynamic)



Thread	Type	
	Steel AISI 303	Steel AISI 316L
M12x1.5	7900.M12	7900A.M12
M16x1.5	7900.M16	7900A.M16
M20x1.5	7900.M20	7900A.M20
M25x1.5	7900.M25	7900A.M25
M32x1.5	7900.M32	7900A.M32
M40x1.5	7900.M40	7900A.M40
M50x1.5	7900.M50	7900A.M50
M63x1.5	7900.M63	7900A.M63

Thread	Type	
	Steel AISI 303	Steel AISI 316L
Pg7	7900.07	7900A.07
Pg9	7900.09	7900A.09
Pg11	7900.11	7900A.11
Pg13.5	7900.13	7900A.13
Pg16	7900.16	7900A.16
Pg21	7900.21	7900A.21
Pg29	7900.29	7900A.29
Pg36	7900.36	7900A.36
Pg42	7900.42	7900A.42
Pg48	7900.48	7900A.48

LOCKNUTS

Polyamide PA6.6



Material: POLYAMIDE PA6.6
self-extinguishing class V2 (UL 94)
Temperature range:
-40°C to +100°C (static)
-20°C to +90°C (dynamic)
Standard is Light Grey.
Add to code: N for Black,
G for Dark Grey

Thread	Type
M12x1.5	1143M12
M16x1.5	1143M16
M20x1.5	1143M20
M25x1.5	1143M25
M32x1.5	1143M32
M40x1.5	1143M40
M50x1.5	1143M50
M63x1.5	1143M63

Thread	Type
Pg7	1142007
Pg9	1142009
Pg11	1142011
Pg13.5	1142013
Pg16	1142016
Pg21	1142021
Pg29	1142029
Pg36	1142036
Pg42	1142042
Pg48	1142048

Nickel Plated Brass



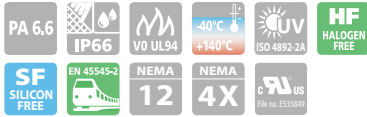
Material: NICKEL PLATED BRASS
Temperature range:
-40°C to +100°C (static)
-25°C to +100°C (dynamic)

Thread	Type
M12x1.5	2033M12N
M16x1.5	2033M16N
M20x1.5	2033M20N
M25x1.5	2033M25N
M32x1.5	2033M32N
M40x1.5	2033M40N
M50x1.5	2033M50N
M63x1.5	2033M63N
M75x1.5	2033M75N

Thread	Type
Pg7	2032007N
Pg9	2032009N
Pg11	2032011N
Pg13.5	2032013N
Pg16	2032016N
Pg21	2032021N
Pg29	2032029N
Pg36	2032036N
Pg42	2032042N
Pg48	2032048N

CABLE ENTRY SYSTEM

Frame material: Glass-fibre reinforced Polyamide PA6.6
Light blue overmoulded seal material: Thermoplastic elastomer (TPE)
Frame fastening screws material: Stainless steel (M5x55) Class A2
Self-extinguishing class V0 (UL 94)
Temperature range: -40°C to +140°C (static)
Colour: Black Ral 9005; Grey RAL 7035 (for round version)



Cable gland mm	Metal Plate Perforation mm	No. grommets	SPLIT CABLE ENTRY SYSTEMS FOR PREDETERMINED CABLES				
			Square	Rectangular	Reduced Rectangular	Round	
75 x 61	43 x 43	4	9000.Q/4	-	-	-	
75 x 61	43 x 43	1	9000.Q/1	-	-	-	
99.5 x 61	65 x 46	6	-	9000.10/6	-	-	
99.5 x 61	65 x 46	3	-	9000.10/3	-	-	
120 x 61	86 x 36/46	8	-	9000.16/8	-	-	
120 x 61	86 x 36/46	5	-	9000.16/5	-	-	
120 x 61	86 x 36/46	2	-	9000.16/2	-	-	
147 x 61	112 x 36/46	10	-	9000.24/10	-	-	
147 x 61	112 x 36/46	7	-	9000.24/7	-	-	
147 x 61	112 x 36/46	4	-	9000.24/4	-	-	
75 x 42	43 x 24	2	-	-	9000.R/2	-	
99.5 x 42	65 x 24	3	-	-	9000.R/3	-	
120 x 42	86 x 24	4	-	-	9000.R/4	-	
147 x 42	112 x 24	5	-	-	9000.R/5	-	
50 x 45.5	Ø 25.4	1	-	-	-	9100.M25	9100.M25N
50 x 45.5	Ø 32.5	1	-	-	-	9100.M32	9100.M32N
72 x 72	Ø 50.5	1	-	-	-	9100.M50/1	9100.M50/1N
72 x 72	Ø 50.5	4	-	-	-	9100.M50/4	9100.M50/4N
72 x 72	Ø 64.0	1	-	-	-	9100.M63/1	9100.M63/1N
72 x 72	Ø 64.0	4	-	-	-	9100.M63/4	9100.M63/4N

Available colours:
 • Black (RAL 9005) ■

Available colours:
 • Grey (RAL 7035) ■
 • Black (RAL 9005) ■



ACCESSORIES

Grommets



Type A Grommet 20x20.6 mm	No. holes	Ø Cable mm	Type A Grommet 20x20.6 mm	No. holes	Ø Cable mm
9.AD0	0	-	9.A4D2	4	2-3
9.A1D1	1	1-2	9.A4D3	4	3-4
9.A1D2	1	2-3	9.A4D4	4	4-5
9.A1D3	1	3-4	9.A4D5	4	5-6
9.A1D4	1	4-5	9.A4D6	4	6-7
9.A1D5	1	5-6			
9.A1D6	1	6-7			
9.A1D7	1	7-8			
9.A1D8	1	8-9			
9.A1D9	1	9-10			
9.A1D10	1	10-11			
9.A1D11	1	11-12			
9.A1D12	1	12-13			
9.A1D13	1	13-14			
9.A1D14	1	14-15			
9.A1D15	1	15-16			
9.A1D16	1	16-16.5			
9.A1D17	1	16.5-17			



Type A Grommet 20x20.6 mm	No. holes	Ø Cable mm
9.A2D2	2	2-3
9.A2D3	2	3-4
9.A2D4	2	4-5
9.A2D5	2	5-6
9.A2D6	2	6-7



Type A Grommet 20x20.6 mm	No. holes	Ø Cable mm
9.A2D7	2	7-8
9.A2D8	2	8-9

Type B Grommet 41x41 mm	No. holes	Ø Cable mm
9.BD0	0	-
9.B1D16	1	16-17
9.B1D17	1	17-18
9.B1D18	1	18-19
9.B1D19	1	19-20
9.B1D20	1	20-21
9.B1D21	1	21-22
9.B1D22	1	22-23
9.B1D23	1	23-24
9.B1D24	1	24-25
9.B1D25	1	25-26
9.B1D26	1	26-27
9.B1D27	1	27-28
9.B1D28	1	28-29
9.B1D29	1	29-30
9.B1D30	1	30-31
9.B1D31	1	31-32
9.B1D32	1	32-33
9.B1D33	1	33-34
9.B1D34	1	34-35

Available colours:

- grey (RAL 7004) 
- Black (RAL 9005) 

Blindplugs



Blindplugs	Ø Insert mm	Ø Head mm	L Insert mm
9005.D2	2	4	20
9005.D3	3	5	20
9005.D4	4	6	20
9005.D5	5	7	20
9005.D6	6	8	20
9005.D7	7	9	20
9005.D8	8	10	15
9005.D9	9	11	15
9005.D10	10	12	15
9005.D11	11	13	15
9005.D12	12	14	15
9005.D13	13	15	15
9005.D14	14	16	15
9005.D15	15	17	15
9005.D16	16	18	15
9005.D17	17	19	15

Split bushing



Split bushing	Pitch mm	Wrench mm
9110.M25	M25x1.5	32
9110.M25N	M25x1.5	32
9110.M32	M32x1.5	40
9110.M32N	M32x1.5	40
9110.M50	M50x1.5	64
9110.M50N	M50x1.5	64

Closing plate



Closing plate	Dimensions mm	Metal Plate Perforation mm
9010.24	148.5 x 55.5	112 x 36/46
9010.16	121.5 x 55.5	86 x 36/46
9010.10	101.5 x 55.5	65 x 46
9010.Q	76.5 x 55.5	43 x 43
9010.24-SO	148.5 x 55.5	112 x 36/46
9010.16-SO	121.5 x 55.5	86 x 36/46
9010.10-SO	101.5 x 55.5	65 x 46
9010.Q-SO	76.5 x 55.5	43 x 43

Push-fit mounts



Push-fit mount	Dimensions mm	Metal Plate Perforation mm
9020.24	155 x 83	112 x 36/46
9020.16	128 x 83	86 x 36/46
9020.10	107 x 83	65 x 46
9020.Q	68 x 83	43 x 43

External seal

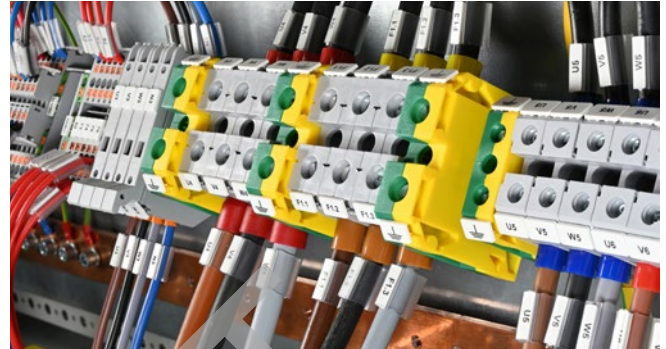


External seal	For cable gland Type	Dimensions mm
9006.Q	9000.Q	72 x 60
9006.10	9000.10	98 x 60
9006.16	9000.16	118 x 60
9006.24	9000.24	145 x 60
9006.R/2	9000.R/2	72 x 41
9006.R/3	9000.R/3	98 x 41
9006.R/4	9000.R/4	118 x 41
9006.R/5	9000.R/5	145 x 41

T-BLOCK MODULAR TERMINALS

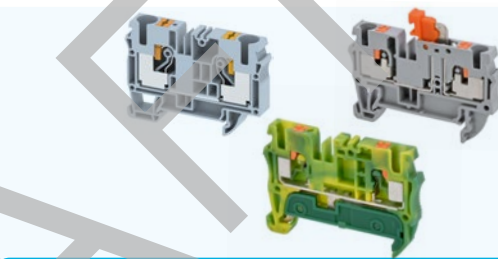
The CEMBRE catalogue offers a wide range of modular terminals providing connection solutions in various applications, for example, feed-through, grounding, and fused circuits with protection function.

The range includes screw-clamp or push-in clamp connections and are available for applications up to 1000 V, complying with various international standards. Offerings include terminals for applications in switchboards, electrical installations, lighting, electrical distribution.



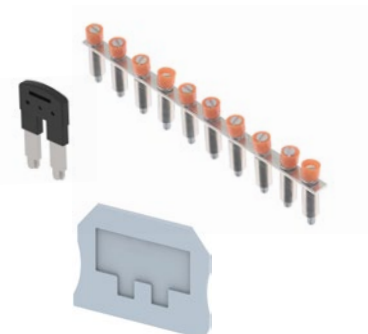
WITH SCREW CLAMP

for earthing applications						
mm ²	standard Type	two level Type	disconnect Type	with fuse Type	standard Type	two level Type
2.5	TBS2.5 TBS2.5-BU	TBS2.5-L2	TBS2.5D	-	TBSG2.5	-
4	TBS4 TBS4-BU	TBS4-L2	TBS4D	TBS4F TBS4F-L2 TBS4F-R	TBSG4	TBSG4-L2
6	TBS6 TBS6-BU	-	TBS6D	-	TBSG6	-
10	TBS10 TBS10-BU	-	-	-	TBSG10	-
16	TBS16 TBS16-BU	-	-	-	TBSG16	-
25	TBS25	-	-	-	-	-
35	TBS35 TBS35-BU	-	-	-	TBSG35	-
50	TBS50 TBS50-BU	-	-	-	TBSG50	-
70	TBS70 TBS70-BU	-	-	-	-	-
95	TBS95	-	-	-	-	-



PUSH-IN

for earthing applications							
mm ²	standard Type	multiconductor Type	two level Type	disconnect Type	with fuse Type	standard Type	multiconductor Type
1.5	TBP1.5	-	-	-	-	-	-
2.5	TBP2.5 TBP2.5-BU	TBP2.5X1-2 TBP2.5X2-2	TBP2.5-L2	TBP2.5D	-	TBPG2.5	TBPG2.5X1-2 TBPG2.5X2-2
4	TBP4 TBP4-BU	TBP4X1-2 TBP4X2-2	-	TBP4D	TBP4F	TBPG4	TBPG4X1-2 TBPG4X2-2
6	TBP6 TBP6-BU	-	-	-	-	TBPG6	-
10	TBP10 TBP10-BU	-	-	-	-	TBPG10	-



A wide range of accessories when jumper bars, end plates etc. are available to help the installer achieve maximum benefit from using the terminals.

TERMINAL BLOCKS

ONE WAY TERMINAL BLOCKS

ZETAmini®


mm ²	Type
2,5	Z2.5-1
6	Z6-1
10	Z10-1
16	Z16-1
25	Z25-1
35	Z35-1

SINGLE POLE TERMINAL BLOCKS

ZETApiù®


mm²	N°ways	Type	mm²	N°ways	Type	mm²	N°ways	Type	mm²	N°ways	Type	
1÷6	3	Z6-3	16	3	Z16-3	(2) 16 (10) 6	12 (2÷10)	Z16-12	(1) 35 (10) 6	11 (1+10)	Z35T-11	
		Z6-3D			Z16-3D			Z16-12D			Z35T-11D	
	5	Z6-5		4	Z16-4		3	Z35-3		(2) 35 (24) 10	26 (2+24)	Z35-26D
		Z6-5D			Z16-4D			Z35-3D				
	6	Z6-6		5	Z16-5N		4	Z35-4		(2) 50 (8) 25	10 (2+8)	Z50-10D
		Z6-6D			Z16-5ND			Z35-4D				
	10	Z6-10		8 (2÷6)	Z16-8		6 (2÷4)	Z35-6				
		Z6-10D			Z16-8D			Z35-6D				

↓ for earthing applications

D= Version with clamp for DIN rail () = Ways

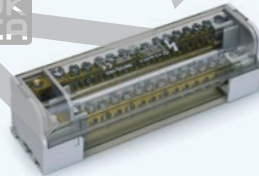
DISTRIBUTION BLOCKS

UNIPOLAR DISTRIBUTION BLOCKS



Connecting Capacity mm ²	N° inputs	N° outputs	Type
6÷16	1	6 (4+2)	DB80-6/1N
10÷35	1	7 (6+1)	DB125-7/1N
10÷70	1	7 (6+1)	DB160-7/1N
35÷120	1	11 (2+5+4)	DB250-11/1N
95÷185	1	11 (2+5+4)	DB400-11/1N
8x24 Flex. Busbar	1	11 (2+5+4)	DB500-11/1N

BIPOLAR DISTRIBUTION BLOCKS



Connecting Capacity mm ²	N° inputs	N° outputs	Type
6÷16 4÷10	2	15	DB40-15/2
10÷25	1	6 (3+3)	DB100-6/2
10÷25	2	13 (6+7)	DB100-13/2
10÷35	1	6 (5+1)	DB125-6/2
10÷35	1	14 (11+3)	DB125-14/2
10÷35 10÷16	2	13 (11+2)	DB125-14/2C

TETRAPOLAR DISTRIBUTION BLOCKS



Connecting Capacity mm ²	N° inputs	N° outputs	Type
6÷16 4÷10	2	11	DB40-11/4
10÷25	1	6 (3+3)	DB100-6/4
10÷25	2	13 (6+7)	DB100-13/4
10÷35	1	6 (5+1)	DB125-6/4
10÷35	1	10 (7+3)	DB125-10/4
10÷35 10÷16	2	9 (7+2)	DB125-10/4C
10÷35	1	14 (11+1+2)	DB125-14/4
10÷35 10÷16	2	13 (11+2)	DB125-14/4C
10÷50	1	11 (3+7+1)	DB160-11/4

TERMOCOIL HEAT-SHRINKABLE TUBING

TCS



flame-retardant Polyolefin - shrinkage ratio 2÷1

Heat-shrinkable Polyolefin tubing coil for general use; is environmentally neutral, flexible, not inflammable and offers fast heat shrinkage and stable performance. Main uses include insulation and protection of electrical conductors, connectors and terminations; protection of metal tubes from corrosion; protection of antennae and various identification applications.

Colours: Black, Red, White, Blue, Transparent, Yellow, Green, Grey, Brown, Yellow/Green.

Packaging: Coil on Reel



Type	Coil Length	before shrinking Internal Ø mm	after shrinking Internal Ø mm	Thickness mm	Colour
TCS12X200BK	200 m	Ø 1,1 mm	Ø 0,50 mm	0,33 mm	BLACK
TCS16X200BK	200 m	Ø 1,5 mm	Ø 0,65 mm	0,36 mm	BLACK
TCS24X200BK	200 m	Ø 2,5 mm	Ø 1,00 mm	0,45 mm	BLACK
TCS32X200BK	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	BLACK
TCS48X100BK	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	BLACK
TCS64X100BK	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	BLACK
TCS95X100BK	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	BLACK
TCS127X100BK	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	BLACK
TCS160X100BK	100 m	Ø 16,5 mm	Ø 8,00 mm	0,70 mm	BLACK
TCS190X100BK	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	BLACK
TCS254X50BK	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	BLACK
TCS320X50BK	50 m	Ø 31,5 mm	Ø 15,0 mm	1,00 mm	BLACK
TCS381X50BK	50 m	Ø 36,5 mm	Ø 17,5 mm	1,00 mm	BLACK
TCS508X25BK	25 m	Ø 50,0 mm	Ø 25,0 mm	1,10 mm	BLACK
TCS762X25BK	25 m	Ø 70,0 mm	Ø 36,0 mm	1,30 mm	BLACK
TCS1016X25BK	25 m	Ø 100,0 mm	Ø 51,0 mm	1,30 mm	BLACK
TCS1260X25BK	25 m	Ø 120,0 mm	Ø 61,0 mm	1,30 mm	BLACK
TCS1500X25BK	25 m	Ø 150,0 mm	Ø 76,0 mm	1,30 mm	BLACK
TCS16X200RE	200 m	Ø 1,5 mm	Ø 0,65 mm	0,36 mm	RED
TCS24X200RE	200 m	Ø 2,5 mm	Ø 1,00 mm	0,45 mm	RED
TCS32X200RE	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	RED
TCS48X100RE	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	RED
TCS64X100RE	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	RED
TCS95X100RE	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	RED
TCS127X100RE	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	RED
TCS190X100RE	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	RED
TCS254X50RE	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	RED
TCS16X200WH	200 m	Ø 1,5 mm	Ø 0,65 mm	0,36 mm	WHITE
TCS20X200WH	200 m	Ø 2,0 mm	Ø 0,85 mm	0,36 mm	WHITE
TCS24X200WH	200 m	Ø 2,5 mm	Ø 1,00 mm	0,45 mm	WHITE
TCS32X200WH	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	WHITE
TCS48X100WH	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	WHITE
TCS64X100WH	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	WHITE
TCS95X100WH	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	WHITE
TCS127X100WH	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	WHITE
TCS190X100WH	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	WHITE
TCS254X50WH	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	WHITE
TCS16X200BU	200 m	Ø 1,5 mm	Ø 0,65 mm	0,36 mm	BLUE
TCS24X200BU	200 m	Ø 2,5 mm	Ø 1,00 mm	0,45 mm	BLUE
TCS32X200BU	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	BLUE
TCS48X100BU	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	BLUE
TCS64X100BU	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	BLUE
TCS95X100BU	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	BLUE
TCS127X100BU	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	BLUE
TCS190X100BU	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	BLUE
TCS254X50BU	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	BLUE
TCS381X50BU	50 m	Ø 36,5 mm	Ø 17,5 mm	1,00 mm	BLUE
TCS508X25BU	25 m	Ø 50,0 mm	Ø 25,0 mm	1,10 mm	BLUE

Type	Coil Length	before shrinking Internal Ø mm	after shrinking Internal Ø mm	Thickness mm	Colour
TCS12X200TR	200 m	Ø 1,1 mm	Ø 0,50 mm	0,33 mm	TRANSPARENT
TCS16X200TR	200 m	Ø 1,5 mm	Ø 0,65 mm	0,36 mm	TRANSPARENT
TCS24X200TR	200 m	Ø 2,5 mm	Ø 1,00 mm	0,45 mm	TRANSPARENT
TCS32X200TR	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	TRANSPARENT
TCS48X100TR	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	TRANSPARENT
TCS64X100TR	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	TRANSPARENT
TCS95X100TR	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	TRANSPARENT
TCS127X100TR	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	TRANSPARENT
TCS160X100TR	100 m	Ø 16,5 mm	Ø 8,00 mm	0,70 mm	TRANSPARENT
TCS190X100TR	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	TRANSPARENT
TCS254X50TR	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	TRANSPARENT
TCS320X50BK	50 m	Ø 31,5 mm	Ø 15,0 mm	1,00 mm	TRANSPARENT
TCS381X50TR	50 m	Ø 36,5 mm	Ø 17,5 mm	1,00 mm	TRANSPARENT
TCS508X25TR	25 m	Ø 50,0 mm	Ø 25,0 mm	1,10 mm	TRANSPARENT
TCS762X25TR	25 m	Ø 70,0 mm	Ø 36,0 mm	1,30 mm	TRANSPARENT
TCS1016X25TR	25 m	Ø 100,0 mm	Ø 51,0 mm	1,30 mm	TRANSPARENT
TCS1260X25TR	25 m	Ø 120,0 mm	Ø 61,0 mm	1,30 mm	TRANSPARENT
TCS1500X25TR	25 m	Ø 150,0 mm	Ø 76,0 mm	1,30 mm	TRANSPARENT
TCS16X200YE	200 m	Ø 1,5 mm	Ø 0,65 mm	0,36 mm	YELLOW
TCS24X200YE	200 m	Ø 2,5 mm	Ø 1,00 mm	0,45 mm	YELLOW
TCS32X200YE	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	YELLOW
TCS48X100YE	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	YELLOW
TCS64X100YE	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	YELLOW
TCS95X100YE	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	YELLOW
TCS127X100YE	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	YELLOW
TCS190X100YE	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	YELLOW
TCS254X50YE	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	YELLOW
TCS16X200GN	200 m	Ø 1,5 mm	Ø 0,65 mm	0,36 mm	GREEN
TCS24X200GN	200 m	Ø 2,5 mm	Ø 1,00 mm	0,45 mm	GREEN
TCS32X200GN	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	GREEN
TCS48X100GN	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	GREEN
TCS64X100GN	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	GREEN
TCS95X100GN	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	GREEN
TCS127X100GN	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	GREEN
TCS190X100GN	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	GREEN
TCS254X50GN	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	GREEN
TCS16X200GY	200 m	Ø 1,5 mm	Ø 0,65 mm	0,36 mm	GREY
TCS24X200GY	200 m	Ø 2,5 mm	Ø 1,00 mm	0,45 mm	GREY
TCS32X200GY	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	GREY
TCS48X100GY	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	GREY
TCS64X100GY	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	GREY
TCS95X100GY	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	GREY
TCS127X100GY	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	GREY
TCS190X100GY	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	GREY
TCS254X50GY	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	GREY
TCS381X50GY	50 m	Ø 36,5 mm	Ø 17,5 mm	1,00 mm	GREY
TCS508X25GY	25 m	Ø 50,0 mm	Ø 25,0 mm	1,10 mm	GREY
TCS16X200BR	200 m	Ø 1,5 mm	Ø 0,65 mm	0,36 mm	BROWN
TCS24X200BR	200 m	Ø 2,5 mm	Ø 1,00 mm	0,45 mm	BROWN
TCS32X200BR	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	BROWN
TCS48X100BR	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	BROWN
TCS64X100BR	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	BROWN
TCS95X100BR	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	BROWN
TCS127X100BR	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	BROWN
TCS190X100BR	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	BROWN
TCS254X50BR	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	BROWN
TCS381X50BR	50 m	Ø 36,5 mm	Ø 17,5 mm	1,00 mm	BROWN
TCS508X25BR	25 m	Ø 50,0 mm	Ø 25,0 mm	1,10 mm	BROWN
TCS32X200Y/G	200 m	Ø 3,0 mm	Ø 1,30 mm	0,45 mm	YELLOW/GREEN
TCS48X100Y/G	100 m	Ø 4,7 mm	Ø 2,00 mm	0,45 mm	YELLOW/GREEN
TCS64X100Y/G	100 m	Ø 6,5 mm	Ø 3,00 mm	0,56 mm	YELLOW/GREEN
TCS95X100Y/G	100 m	Ø 9,5 mm	Ø 4,50 mm	0,56 mm	YELLOW/GREEN
TCS127X100Y/G	100 m	Ø 12,5 mm	Ø 6,00 mm	0,56 mm	YELLOW/GREEN
TCS190X100Y/G	100 m	Ø 19,0 mm	Ø 9,00 mm	0,70 mm	YELLOW/GREEN
TCS254X50Y/G	50 m	Ø 26,0 mm	Ø 12,5 mm	0,90 mm	YELLOW/GREEN
TCS381X50Y/G	50 m	Ø 36,5 mm	Ø 17,5 mm	1,00 mm	YELLOW/GREEN
TCS508X25Y/G	25 m	Ø 50,0 mm	Ø 25,0 mm	1,10 mm	YELLOW/GREEN

PROFESSIONAL EQUIPMENT

SC5X SC6X



PROFESSIONAL SCISSORS

Extremely lightweight and robust for safe, easy handling and comfort.
Easy cutting of conductor up to 50 sqmm using the shaped grooves in each blade.

HB14



WIRE STRIPPERS HB RANGE

Automatic stripping force adjustment according to the cable section.
For cables from 0,2 to 6,0 sqmm.
Stripping length adjustable from 6 to 18 mm.
Conductor cut from 0,2 to 2,5 sqmm.

KIT-CTBB1-1



POUCH KIT

Made from soft and strong fabric, equipped with a fast stud belt fastening.
It has handy preformed compartments for holding pliers, scissors and screwdrivers.

KSDC7-KV

 C 1000V
EN/IEC - 60900



SET OF 7 PROFESSIONAL SCREWDRIVERS

The CEMBRE range of insulated screwdrivers have dual compound handgrips and an ergonomic design making them particularly practical and comfortable.
The size of the insulating cover allows it to be inserted into tight spaces.
Each individual screwdriver is tested in accordance with EN 60900

PLIERS

 C 1000V
EN/IEC - 60900



PROFESSIONAL PLIERS, NIPPERS & GRIPS

The design of CEMBRE insulated pliers and the use of dual-compound plastic material in the handle cover optimise the distribution of the force over the entire surface in contact with the palm of the hand.
As for all CEMBRE insulated tools, each individual pair of pliers is tested in accordance with EN 60900.

KIT-CSTB1-1

SOFT LINE



KIT-VAL-GPTA-1

HARD LINE



KIT-TRL02-1

TROLLEY



KIT-CTBP1-1

BACKPACK

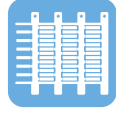


PROFESSIONAL TOOL HOLDERS

CEMBRE offers a range of tool holders designed to provide professional users with practical and neat ways to optimise their time and working conditions.

IDENTIFICATION & LABELLING SYSTEMS

THERMAL TRANSFER PRINTER FOR SHEET MEDIA MG4



The MARKINGENIUS®MG4 is CEMBRE's newest solution for identification & labelling requirements, designed to offer a high quality and long-lasting print for text, logos, electrical symbols, QR codes and all kinds of vector images.

Equipped with a ribbon save system, a useful function that allows you to consume only the ribbon needed for printing.

THERMAL TRANSFER PRINTER FOR ROLL MEDIA ROLLY3000



ROLLY3000E is ideal for printing all CEMBRE flat material on rolls, eg. cable tags for holders, tie on, wraparound cable markers, legend strips and labels.

Maximum print area: 105 mm wide, up to 200 mm long.



SPEED

prints 112 4x10 cable tags in less than 12 seconds

CONVENIENCE

software provides quick and easy upload of the data to be printed

ECONOMY

prints around 300.000 4x10 cable tags with a single ribbon

QUALITY

printer resolution 300x600 dpi

SPEED

prints 4.000 4x10 cable tags in less than two minutes, 1.000 thermoshrinking tubes in less than 3 minutes

CONVENIENCE

software provides quick and easy upload of the data to be printed

ECONOMY

prints around 140.000 4x10 cable tags with a single ribbon

QUALITY

printer resolution 300 dpi

HOW TO MARK

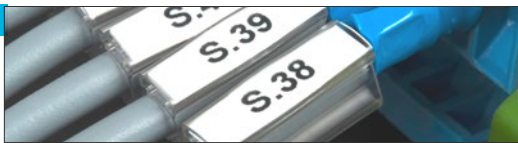
SINGLE CABLES



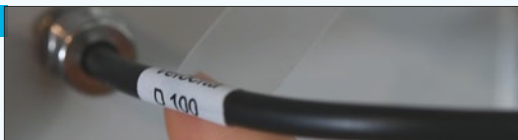
MG-TDM



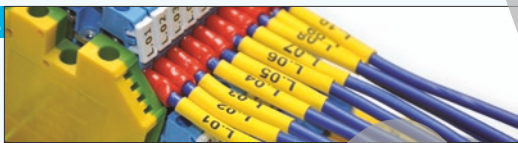
MG-TPMF



KM-ROLL



TERMO-ROLL



COMPONENTS



MG-TAP



MG-TAPW



MG-PLC



MG-TAA



TERMINAL BLOCKS



MG-CPM

MG-CPMF



MG-VYB



PLATES - LABELS PUSH BUTTONS



MG-SIGNS



MG-SIGNS



MG-PTS



MG-VRT-A/AH



Cod. 6260914



DRAFT

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