Connect

CTT Crimping solutions

A comprehensive range of crimping products for all your cable preparation requirements. Includes Cord End Terminals, Uninsulated Crimp Terminals, Copper Tube Terminals and Tooling.

INTRODUCTION
Cablecraft CTT Crimping solutions

Cablecraft CTT Crimping solutions

Specified and used throughout the world, the CTT range of products is the crimping solution of choice for many engineering and industrial applications - from electrical contractors, panel builders and OEMs to aerospace, defence, railway, traction and signalling installations.

We are continuing to build on the foundations and strengths of the CTT brand, to improve crimping standards throughout the industry worldwide.

Technical expertise

Cablecraft - CTT offers customers unmatched customer support and specialist technical expertise in termination technology.
Our ISO 9001: 2008 certification guarantees CTT products meet the most exacting standards across a whole range of specialist industries.

This expertise is supported via a fully equipped in-house technical laboratory with full testing capabilities. Tests include electrical, thermal cycling and volt drop tests, and cover the majority of crimping standards.

CTT applications and current projects

CTT has supplied special purpose terminals for:

- Jaguar Land Rover
- VW Group
- Leyland Trucks (Kenworth, Peterbilt and DAF)

Our products have been used in a number of global projects and prestigious applications including:

- Rail: trackside & signalling
- London Underground
- Offshore oil & gas industries
- Utilities
- Power stations
- Water treatment plants
- Defence
- Military transport


© Transport for London


© Transport for London


© Leyland Trucks

The CTT product strategy

For many years we have been heavily involved in all aspects of the electrical engineering industry; from contractors, panel builders and OEMs to aerospace, defence, railway, traction and signalling installations.

Our knowledge and experience gives us a clear understanding of the technological development for terminating cables in a host of different environments, different technical standards and with many different types of cable.

We ensure our products consistently meet the exacting standards needed for each application, including:


©Jaguar Landrover


©Aircraft Carrier Alliance


© Ministry of Defence

- BS4579 Part 1, BS5057 and BS4G 178 Part 2 General User Standards
- BS5G 178 Part 1 Aircraft Standard
- MOD 59/71 Defence Standard
- RSE/STD 024 Part 7 London Underground Standard E 6487 A2
- ISO 9001 - 2008
- UL 486
- DIN 46288 Part 4
- BS-EN 60352-2-2006 and BS 60138 BS EN 61238-1-2003

Customer focus

Our specialists provide exemplary customer support by aiding engineers with design and field solutions.

Product quality, reliability & support
Behind our product range, and delivering products on time at a competitive price, is the service we provide to our customers.

Cablecraft continually ensures the quality of termination standards by offering a tooling service, repair and calibration facility, sensibly priced with a fast turnaround.

CABLECRAFT Tool Centre
CALIBRATION REPAIR AND SERVICE

Cablecraft Tool Centre
Offering a complete tool calibration, repair and inspection service

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CTT Crimping solutions

CONNECT
Cord end terminals

Cord end terminals

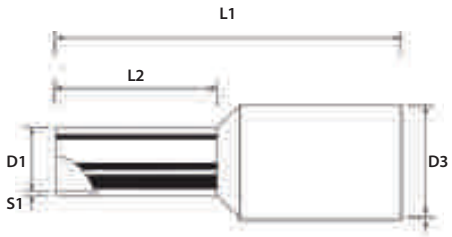
Standard length cord end terminals

Standard length end sleeves are manufactured from tin plated electrolytic copper. There are 38 different types, in 19 sizes, all available in French and German colour ranges.

APPLICATIONS

Used to reinforce fine wire strands when terminating a cable into a connector block. Suitable for tri-rated cables.

DIMENSIONS



HF Halogen Free

SPECIFICATIONS

Material
Tin plated electrolytic copper
Halogen-free nylon

Service temperature rating
-40˚C to +105˚C

Standards
DIN 46288 Part 4.
RoHS 2 compliant

French colour range

Part number	Colour	Size mm²	Dimensions (mm)					Pack qty
			L1	L2	D1	S1	D3	
CET0.14F	Brown	0.14	10.0	6.0	0.7	0.15	1.6	1000
CET0.25F	Violet	0.25	10.4	6.0	0.8	0.15	1.8	1000
CET0.34F	Pink	0.34	10.4	6.0	0.8	0.15	2.0	1000
CET0.5F	White	0.50	14.0	8.0	1.0	0.15	2.6	500
CET0.75F	Blue	0.75	14.6	8.2	1.2	0.15	2.8	500
CET1.0F	Red	1.00	14.6	8.2	1.4	0.15	3.0	500
CET1.5F	Black	1.50	14.6	8.2	1.7	0.15	3.5	500
CET2.5F	Grey	2.50	15.2	8.2	2.2	0.15	4.0	500
CET4.0F	Orange	4.00	16.5	9.0	2.8	0.20	4.4	500
CET6.0F	Green	6.00	20.0	12.0	3.5	0.20	6.3	100
CET10.0F	Brown	10.00	21.5	12.0	4.5	0.20	7.6	100
CET16F	Ivory	16.00	22.2	12.0	5.8	0.20	8.8	100
CET25F	Black	25.00	29.0	16.0	7.3	0.20	11.2	100
CET35F	Red	35.00	30.0	16.2	8.3	0.20	12.5	100
CET50F	Blue	50.00	36.0	19.0	10.3	0.30	15.0	50
CET70F	Yellow	70.00	37.0	20.0	13.5	0.35	16.0	50
CET95F	Red	95.00	44.0	25.0	14.7	0.35	18.0	50
CET120F	Blue	120.00	48.0	27.0	16.7	0.45	21.0	50
CET150F	Yellow	150.00	58.0	32.0	19.5	0.50	23.0	50

German colour range

Part number	Colour	Size mm²	Dimensions (mm)					Pack qty
			L1	L2	D1	S1	D3	
CET0.14G	Grey	0.14	10.00	6.00	0.70	0.15	1.6	1000
CET0.25G	Lt Blue	0.25	10.4	6.0	0.8	0.15	1.8	1000
CET0.34G	Turquoise	0.34	10.4	6.0	0.8	0.15	2.0	1000
CET0.5G	Orange	0.50	14.0	8.0	1.0	0.15	2.6	500
CET0.75G	White	0.75	14.6	8.2	1.2	0.15	2.8	500
CET1.0G	Yellow	1.00	14.6	8.2	1.4	0.15	3.0	500
CET1.5G	Red	1.50	14.6	8.2	1.7	0.15	3.5	500
CET2.5G	Blue	2.50	15.2	8.2	2.2	0.15	4.0	500
CET4.0G	Grey	4.00	16.5	9.0	2.8	0.20	4.4	500
CET6.0G	Black	6.00	20.0	12.0	3.5	0.20	6.3	100
CET10.0G	Ivory	10.00	21.5	12.0	4.5	0.20	7.6	100
CET16G	Green	16.00	22.2	12.0	5.8	0.20	8.8	100
CET25G	Brown	25.00	29.0	16.0	7.3	0.20	11.2	100
CET35G	Beige	35.00	30.0	16.2	8.3	0.20	12.5	100
CET50G	Olive	50.00	36.0	19.0	10.3	0.30	15.0	50
CET70G	Yellow	70.00	37.0	20.0	13.5	0.35	16.0	50
CET95G	Red	95.00	44.0	25.0	14.7	0.35	18.0	50
CET120G	Blue	120.00	48.0	27.0	16.7	0.45	21.0	50
CET150G	Yellow	150.00	58.0	32.0	19.5	0.50	23.0	50

CTT Crimping solutions

CONNECT
Cord end terminals

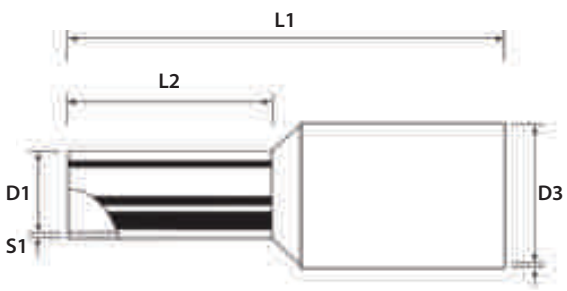
Extra long cord end terminals

Extra long end sleeves are manufactured from tin plated electrolytic copper. There are 14 sizes and 19 different lengths, all available in French and German colour ranges.

APPLICATIONS

Used to reinforce fine wire strands when terminating a cable into a connector block. Suitable for tri-rated cables.

DIMENSIONS



SPECIFICATIONS

Material
Tin plated electrolytic copper
Halogen-free nylon

Service temperature rating
-40˚C to +105˚C

Standards
DIN 46288 Part 4.
RoHS 2 compliant

French colour range

Part number	Colour	Size mm²	Dimensions (mm)					Pack qty
			L1	L2	D1	S1	D3	
CET0.25FL	Violet	0.25	12.4	8.0	0.8	0.15	1.8	1000
CET0.34FL	Pink	0.34	12.4	8.0	0.8	0.15	2.0	1000
CET0.5FHL	White	0.50	16.0	10.0	1.0	0.15	2.6	500
CET0.75FHL	Blue	0.75	16.4	10.0	1.2	0.15	2.8	500
CET0.75FL	Blue	0.75	18.4	12.0	1.2	0.15	2.8	500
CET1.0FHL	Red	1.00	16.4	10.0	1.4	0.15	3.0	500
CET1.0FL	Red	1.00	18.4	12.0	1.4	0.15	3.0	500
CET1.5FHL	Black	1.50	16.4	10.0	1.7	0.15	3.5	500
CET1.5FL	Black	1.50	24.4	18.0	1.7	0.15	3.5	500
CET2.5FHL	Grey	2.50	19.0	12.0	2.2	0.15	4.0	500
CET2.5FL	Grey	2.50	25.0	18.0	2.2	0.15	4.0	500
CET4.0FHL	Orange	4.00	19.5	12.0	2.8	0.20	4.4	500
CET4.0FL	Orange	4.00	25.5	18.0	2.8	0.20	4.4	500
CET6.0FL	Green	6.00	26.0	18.0	3.5	0.20	6.3	100
CET10.0FL	Brown	10.00	27.5	18.0	4.5	0.20	7.6	100
CET16FL	Ivory	16.00	28.2	18.0	5.8	0.20	8.8	100
CET25FL	Black	25.00	35.0	22.0	7.3	0.20	11.2	100
CET35FL	Red	35.00	39.0	25.0	8.3	0.20	12.5	100
CET50FL	Blue	50.00	40.0	25.0	10.3	0.30	15.0	50

German colour range

Part number	Colour	Size mm²	Dimensions (mm)					Pack qty
			L1	L2	D1	S1	D3	
CET0.25GL	Lt Blue	0.25	12.4	8.0	0.8	0.15	1.8	1000
CET0.34GL	Turquoise	0.34	12.4	8.0	0.8	0.15	2.0	1000
CET0.5GHL	Orange	0.50	16.0	10.0	1.0	0.15	2.6	500
CET0.75GHL	White	0.75	16.4	10.0	1.2	0.15	2.8	500
CET0.75GL	White	0.75	18.4	12.0	1.2	0.15	2.8	500
CET1.0GHL	Yellow	1.00	16.4	10.0	1.4	0.15	3.0	500
CET1.0GL	Yellow	1.00	18.4	12.0	1.4	0.15	3.0	500
CET1.5GHL	Red	1.50	16.4	10.0	1.7	0.15	3.5	500
CET1.5GL	Red	1.50	24.4	18.0	1.7	0.15	3.5	500
CET2.5GHL	Blue	2.50	19.0	12.0	2.2	0.15	4.0	500
CET2.5GL	Blue	2.50	25.0	18.0	2.2	0.15	4.0	500
CET4.0GHL	Grey	4.00	19.5	12.0	2.8	0.20	4.4	500
CET4.0GL	Grey	4.00	25.5	18.0	2.8	0.20	4.4	500
CET6.0GL	Black	6.00	26.0	18.0	3.5	0.20	6.3	100
CET10.0GL	Ivory	10.00	27.5	18.0	4.5	0.20	7.6	100
CET16GL	Green	16.00	28.2	18.0	5.8	0.20	8.8	100
CET25GL	Brown	25.00	35.0	22.0	7.3	0.20	11.2	100
CET35GL	Beige	35.00	39.0	25.0	8.3	0.20	12.5	100
CET50GL	Olive	50.00	40.0	25.0	10.3	0.30	15.0	50

CTT Crimping solutions

Dual entry standard length cord end terminals

A complete range of dual entry cord end terminals in French, German and DIN colour ranges. Manufactured from tin plated electrolytic copper. Designed for two cables terminating in the same sleeve.

SPECIFICATIONS

Material
Tin plated electrolytic copper
Halogen-free nylon

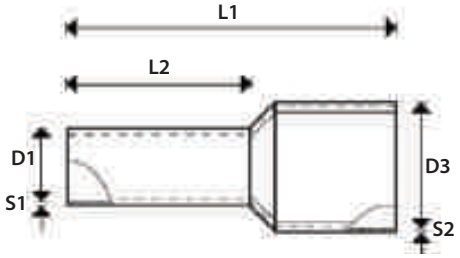
Service temperature rating
-40˚C to +105˚C

Standards
DIN 46288 Part 4.
RoHS 2 compliant

APPLICATIONS

Ideal for looping conductors.

DIMENSIONS

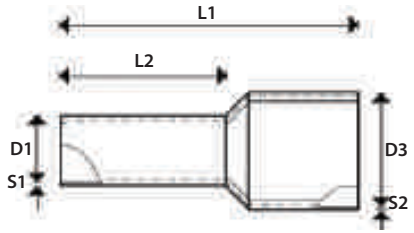


French and German colour range

Part number	Colour	Size mm²	Dimensions (mm)						Pack qty
			D1	D3	L1	L2	S1	S2	
CEET 2x0.5F	White	2 x 0.50	1.5	4.7	15.0	8.0	0.15	0.25	500
CEET 2x0.5G	Orange	2 x 0.50	1.5	4.7	15.0	8.0	0.15	0.25	500
CEET 2x0.75F	Blue	2 x 0.75	1.8	5.0	15.0	8.0	0.15	0.25	500
CEET 2x0.75G	White	2 x 0.75	1.8	5.0	15.0	8.0	0.15	0.25	500
CEET 2x0.75D	Grey	2 x 0.75	1.8	5.0	15.0	8.0	0.15	0.25	500
CEET 2x1.0G	Yellow	2 x 1.00	2.05	5.4	15.0	8.0	0.15	0.30	500
CEET 2x1.0F	Red	2 x 1.00	2.05	5.4	15.0	8.0	0.15	0.30	500
CEET 2x1.5F	Black	2 x 1.50	2.3	6.6	16.0	8.0	0.15	0.30	500
CEET 2x1.5G	Red	2 x 1.50	2.3	6.6	16.0	8.0	0.15	0.30	500
CEET 2x2.5G	Blue	2 x 2.50	2.9	7.8	18.5	10.0	0.20	0.30	500
CEET 2x2.5F	Grey	2 x 2.50	2.9	7.8	18.5	10.0	0.20	0.30	500
CEET 2x4.0	Grey	2 x 4.0	3.8	8.8	23.0	12.0	0.20	0.40	500
CEET 2x6.0	Yellow	2 x 6.0	4.9	10.0	26.0	14.0	0.20	0.40	100
CEET 2x10.0	Red	2 x 10.0	6.5	13.0	26.0	14.0	0.20	0.40	100
CEET 2x16.0	Blue	2 x 16.0	8.3	18.4	30.0	14.0	0.20	0.40	100

Dual entry extra long cord end terminals

DIMENSIONS



French and German colour range

Part number	Colour	Size mm²	Dimensions (mm)						Pack qty
			D1	D3	L1	L2	S1	S2	
CEET 2x0.75 GL	White	2 x 0.75	1.8	5.0	17.0	10.0	0.15	0.25	500
CEET 2x0.75 FL	Blue	2 x 0.75	1.8	5.0	17.0	10.0	0.15	0.25	500
CEET 2x1.0 FL	Red	2 x 1.00	2.05	5.4	17.0	10.0	0.15	0.30	500
CEET 2x1.0 GL	Yellow	2 x 1.00	2.05	5.4	17.0	10.0	0.15	0.30	500
CEET 2x1.5 FL	Black	2 x 1.50	2.3	6.6	20.0	12.0	0.15	0.30	500
CEET 2x1.5 GL	Red	2 x 1.50	2.3	6.6	20.0	12.0	0.15	0.30	500
CEET 2x2.5 FL	Grey	2 x 2.50	2.9	7.8	21.5	13.0	0.20	0.30	500
CEET 2x2.5 GL	Blue	2 x 2.50	2.9	7.8	21.5	13.0	0.20	0.30	500

Cord end terminal kits - French & German colour ranges

The kits include a selection of cord end terminals in either French or German colour ranges. The 24 compartment kit also contains a CRT 0.25-6.0 ratchet crimping tool.

French colour range

Part no.	Description	Size range (mm²)
SAKF1	18 compartment. Approx. 4000 items	0.25 - 6 (single cord ends) 0.5 - 6 (dual entry cord ends)
SAKF2	24 compartment. Includes tool. Approx. 6000 items	0.25 - 6 (single cord ends) 0.5 - 6 (dual entry cord ends)

German colour range

Part no.	Description	Size range (mm²)
SAKG1	18 compartment. Approx. 4000 items	0.25 - 6 (single cord ends) 0.5 - 6 (dual entry cord ends)
SAKG2	24 compartment. Includes tool. Approx. 6000 items	0.25 - 6 (single cord ends) 0.5 - 6 (dual entry cord ends)

Uninsulated cord end terminals

Our uninsulated cord end terminals range includes cable sizes from 0.14mm² to 150mm².

APPLICATIONS

For terminating the end of a cable, prior to fitting into screw type terminal blocks or connectors.
The crimped on un-insulated cord end terminal protects the exposed wire strands from damage from the screw, this results in a stronger connection.

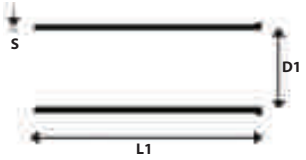
SPECIFICATIONS

Material
Tin plated electrolytic copper

Heat resistance
Up to 125˚C

Standards
DIN 46228 Part 1.
RoHS 2 compliant

DIMENSIONS



Uninsulated cord end terminals

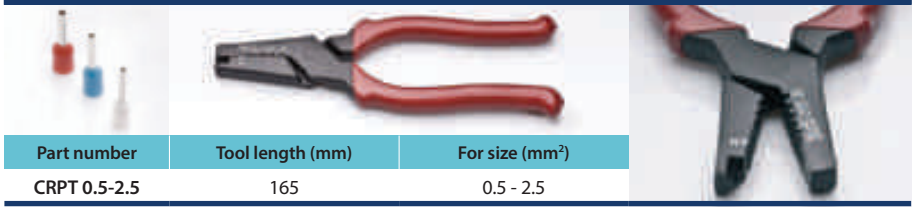
Part number	Size mm²	Dimensions (mm)			Pack qty
		L1	D1	S	
CUT0.14-7	0.14	7	0.65	0.15	1000
CUT0.25-7	0.25	7	0.75	0.15	1000
CUT0.34-7	0.34	7	0.85	0.15	1000
CUT0.5-6	0.50	6	1	0.15	1000
CUT0.5-10	0.50	10	1	0.15	1000
CUT0.75-6	0.75	6	1.2	0.15	1000
CUT0.75-10	0.75	10	1.2	0.15	1000
CUT1.0-6	1.00	6	1.4	0.15	1000
CUT1.0-10	1.00	10	1.4	0.15	1000
CUT1.5-7	1.50	7	1.7	0.15	1000
CUT1.5-10	1.50	10	1.7	0.15	1000
CUT2.5-7	2.50	7	2.2	0.15	1000
CUT2.5-10	2.50	10	2.2	0.15	1000
CUT4.0-9	4.00	9	2.8	0.20	1000
CUT4.0-12	4.00	12	2.8	0.20	1000
CUT6.0-15	6.00	15	3.5	0.20	100
CUT10-15	10.00	15	4.5	0.20	100
CUT10-18	10.00	18	4.5	0.20	100
CUT16-15	16.00	15	5.8	0.20	100
CUT16-18	16.00	18	5.8	0.20	100
CUT25-15	25.00	15	7.3	0.20	100
CUT25-18	25.00	18	7.3	0.20	100
CUT35-18	35.00	18	8.3	0.20	100
CUT35-25	35.00	25	8.3	0.20	100
CUT50-25	50.00	25	10.3	0.30	50
CUT70-25	70.00	25	13.5	0.35	50
CUT95-30	95.00	30	14.5	0.35	50
CUT120-34	120.00	34	16.5	0.45	10
CUT150-38	150.00	38	19.5	0.50	10

Crimping tools for cord end terminals

Our cord end tools cover a range from 0.14mm² to 150mm². Up to 16mm², we offer two plier action tools. For all other sizes, and for volume work we recommend our ratchet action tools.

Plier action tools

For cord end terminals size: 0.5 - 2.5 mm²



Part number	Tool length (mm)	For size (mm²)
CRPT 0.5-2.5	165	0.5 - 2.5

For cord end terminals size: 0.5 - 16 mm²

Part number	Tool length (mm)	For size (mm²)
CRPT 0.5-16	190	0.5-16

Ratchet action tools

For cord end terminals size: 0.14 - 2.5 mm²

Part number	Tool length (mm)	For size (mm²)
CRT 0.14-2.5	230	0.14 - 2.5

For cord end terminals size: 0.25 - 6.0 mm²

Part number	Tool length (mm)	For size (mm²)
CRT 0.25-6.0	230	0.25 - 6.0

Ratchet action tools continued

For cord end terminals size: 6-16 mm²



Part number	Tool length (mm)	For size (mm²)
CRT 6-16	230	6.0-16.0

For cord end terminals size: 10-50 mm²



Part number	Tool length (mm)	For size (mm²)
CRT 10-25	240	10.0-25.0
CRT 10-35	240	10.0-35.0
CRT 25-50	240	25.0-50.0

For cord end terminals size: 50-95 mm²



Part number	Tool length (mm)	For size (mm²)
CRT 50-95	330	50-95

For cord end terminals size: 120-150 mm²



Part number	Tool length (mm)	For size (mm²)
CRT 120-150	380	120-150

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Dual entry cord end crimping tools

Ratchet action crimping tools are designed to produce correct and more efficient crimping. Specifically designed for dual entry terminals ranging from 0.5mm² to 16mm².

For dual cord end terminals size: 0.5-6.0 mm²

Ratchet action crimping tool for crimping dual cord end terminals from 0.5 - 6.0mm².


Part number	Tool length (mm)	For size (mm²)
CRTDT 0.5-6.0	230	0.5-6.0

For dual cord end terminals size: 6 -16 mm²

Ratchet action crimping tool for crimping dual cord end terminals from 6.0 - 16mm².


Part number	Tool length (mm)	For size (mm²)
CRTDT 6-16	230	6.0-16

Cablecraft Rennsteig crimping tools

Robust, self-adjusting, durable tools that offer high quality crimping of insulated and un-insulated cord end terminals, from 0.08mm² to 10mm².

KEY BENEFITS

- Guarantees a precise crimped profile owing to an even movement of the crimp jaws.
- Square crimped end sleeves offer optimal contact zones for clamping.
- Easy handling, also with automatic self-adjustment to the required connector cross-section.
- Optimal lever transmission ensures an intensified crimping process.
- Forced locking system, also releasable, guarantees exact and gas-proof crimp connections conforming to standards.
- Made from special temperature hardened steel.

For cord end terminals size: 0.08-10.0 mm²

Easy to use cord end crimp tool that produces six serrated crimp surfaces

Part number	Tool length (mm)	For size (mm²)
RENN610086 3	180	0.08 - 6.0
RENN610186 3	180	0.08 - 10.0

For cord end terminals size: 0.08-10.0 mm²

Ergonomically designed cord end crimp tool that produces four serrated crimp surfaces

Part number	Tool length (mm)	For size (mm²)
RENN610084 3	180	0.08 -10.0

Ergonomically designed with comfort handles, these Cablecraft Rennsteig tools are ideal for use in areas difficult to reach. Their square crimp profile produces four serrated crimp surfaces. Cross-sectional range from 0.08mm² to 16mm².

SIDE LOADING

FRONT LOADING

KEY BENEFITS

- Side loading possible for end sleeves up to 2.5mm² on RENN618 087 3.
- Front loading possible for end sleeves from 0.8mm² to 10mm² or 16mm².
- Designed with two-component handles.
- Square crimp profile with four serrated crimp surfaces.
- Pre-selection of the 2 crimping sizes by a change-over switch for the RENN618 088 3.
- Lever system with releasable forced locking mechanism for crimp connections conforming to standard.

For cord end terminals size: 0.08-10.0 mm²

Easy to use professional cord end crimp tool for sizes 0.08mm² to 10mm².

Part number	Tool length (mm)	For size (mm²)
RENN610 087 3	190	0.08 - 10

For cord end terminals size: 0.08-16.0 mm²

Easy to use professional cord end crimp tool for sizes 0.08mm² to 16mm².

Part number	Tool length (mm)	For size (mm²)
RENN610 088 3	190	0.08 -16

Weidmüller Stripax Plus 2.5

The Weidmüller Stripax Plus 2.5 combines three functions in one tool; cutting, stripping and crimping. Compatible with insulated cord end terminals ranging from 0.5mm² to 2.5mm² (linked in reel form only), in compliance with DIN 46228 Part 4.

For cord end terminals 0.5mm² - 2.5mm²

Versatile multi purpose tool for cutting, stripping or crimping

Part number	Tool length (mm)	For size (mm²)
STRIPAX PLUS 2.5	210	0.5 - 2.5

KEY BENEFITS

- Multi function tool for cutting, stripping and crimping
- Ratchet for precise crimping
- Time saving benefits of multi-function tool
- Automatic conveyance of cord end terminals
- Quick adjustment of different cross-sections
- Suitable for strips of linked cord end terminals only - see **www.cablecraft.co.uk** to order

Weidmüller PZ 4

Crimping tool suitable for insulated or uninsulated cord end terminals ranging from 0.5mm² to 4mm².

For cord end terminals 0.5mm² - 4mm²

For insulated or uninsulated cord end terminals

Part number	Tool length (mm)	For size (mm²)
PZ4	200	0.5 - 4.0

KEY BENEFITS

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- Only one crimping station required for the whole cross-section range
- Cord end terminal inserted from the side
- Complies with DIN 46228 T.1 and T.4

Weidmüller PZ 6/5

Crimping tool suitable for insulated and uninsulated cord end terminals ranging from 0.25mm² to 6mm². This tool is military approved (VG 95211).

For cord end terminals 0.25 - 6mm²

For cord end terminals with or without insulation

Part number	Tool length (mm)	For size (mm²)
PZ6/5	200	0.25 - 6.0

KEY BENEFITS

- Ratchet for precise crimping
- Five crimping stations corresponding to the conductor cross-sections
- Cord end terminal inserted from the side
- Complies to DIN 46228 T.1 and T.4. Crimp complies to Euro-Norm EN 60947-1
- Approval according to VG 95211 (military designation)

Weidmüller PZ 3

Crimping tool suitable for insulated and uninsulated cord end terminals ranging from 0.5mm² to 6mm².

For cord end terminals 0.5 - 6mm²

For cord end terminals with or without insulation

Part number	Tool length (mm)	For size (mm²)
PZ3	200	0.5 - 6.0

KEY BENEFITS

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- Only one die for the whole cross-section range
- Cord end terminal insertion from the front
- Complies with DIN 46228 T.1 and T.4

Weidmüller PZ 6 Roto & PZ 6 Roto L

Crimping tool suitable for insulated and uninsulated cord end terminals from 0.14mm² to 6mm². A rotating die enables the cord ends to be inserted from the front or side. The PZ 6 Roto L die can be locked into two positions.

PZ 6 Roto for cord end terminals 0.14 - 6mm²

For insulated or uninsulated cord end terminals

Part number	Tool length (mm)	For size (mm²)
PZ6 ROTO	200	0.14 - 6.0

KEY BENEFITS

- Ratchet guarantees precise crimping
- Release option when incorrectly operated
- One die for the whole cross-section range
- Rotating die enables cord end terminal insertion from the front or side
- Complies to DIN 46228 T.1 and T.4

PZ 6 Roto L for cord end terminals 0.14 - 6mm²

For insulated or uninsulated cord end terminals

Part number	Tool length (mm)	For size (mm²)
PZ6 ROTO L	200	0.14 - 6.0

KEY BENEFITS

- Ratchet guarantees precise crimping
- Release option when incorrectly operated
- One die for the whole cross-section range
- Rotating die enables cord end terminal insertion from the front or side
- Rotary die locks in two positions
- Complies to DIN 46228 T.1 and T.4

Weidmüller PZ 16

Crimping tool suitable for insulated and uninsulated cord end terminals from 6mm² to 16mm².

For cord end terminals 6.0 - 16.0mm²

For cord end terminals with or without insulation

Part number	Tool length (mm)	For size (mm²)
PZ16	200	6.0 - 16.0

KEY BENEFITS

- Ratchet guarantees precise crimping
- Release option when incorrectly operated
- One die for the whole cross-section range
- Cord end terminal insertion from the front
- Complies to DIN 46228 T.1 and T.4

Weidmüller PZ ZH 16 Dual cord

Crimping tool suitable for dual cord end terminals ranging from 6mm² to 16mm².

For dual cord end terminals 6 - 16mm²

For twin cord end terminals

Part number	Tool length (mm)	For size (mm²)
PZ ZH16	250	6.0 - 16.0

KEY BENEFITS

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- Three crimping stations corresponding to the conductor cross-sections
- Cord end terminal insertion from the side
- Complies to DIN 46228 Part 1 and Part 4

Weidmüller PZ 50

Crimping tool suitable for insulated and uninsulated cord end terminals ranging from 25mm² to 50mm². This tool is military approved (VG 95211).

For cord end terminals 25 - 50mm²

For insulated or uninsulated cord end terminals

Part number	Tool length (mm)	For size (mm²)
PZ50	250	25.0 - 50.0

KEY BENEFITS

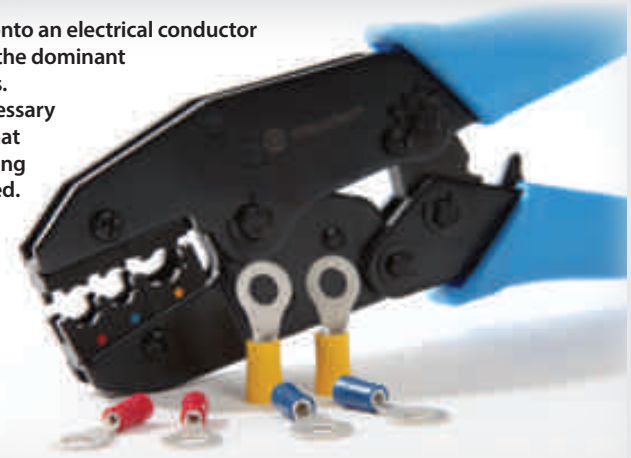
- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- Cord end terminals insert from side
- Complies to DIN 46228 T.1 and T.4. Crimp complies with Euro-Norm EN 60947-1
- Approval according to VG 95211 (military designation)

CONNECT
Pre-insulated terminals

CTT GOOD CRIMPING GUIDE

Pre-insulated terminals

The technique of crimping a terminal onto an electrical conductor has been used for over 60 years and is the dominant connecting technique for power cables. Crimp connections must satisfy all necessary BS EN approvals. The pre-requisite is that the conductor, crimp connector, crimping tool and tool setting are all co-ordinated.



What is crimping?

The term crimping means to press, make an impression, fold or even deform by folding. In electrical installation the term crimping is used to describe the mechanical compression of a sleeve around a conductor to make a firm mechanical connection between the conductor and the connector.

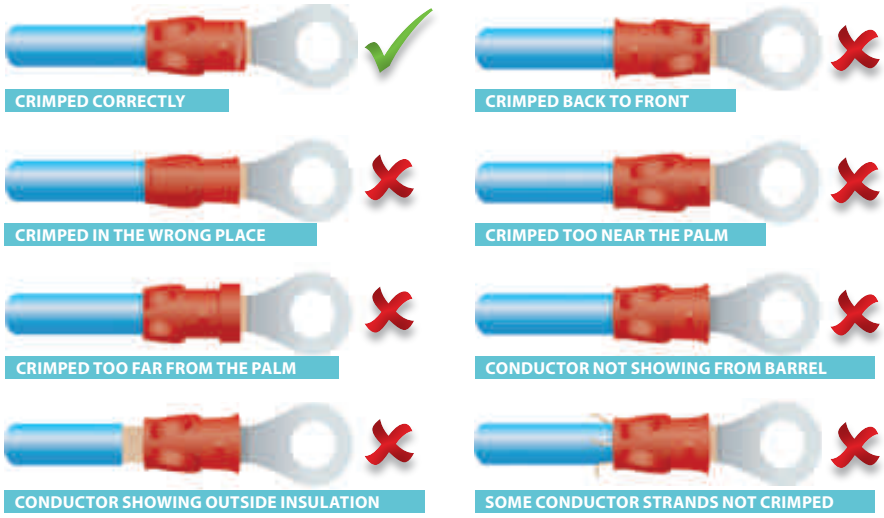
Tool maintenance

All our tools are made to the very highest specifications but have to be maintained in good condition. As such, they should be periodically checked to ensure the best performance.

- Lubricate with general purpose machine oil.
- Check for excessive wear on pins.
- Carefully inspect all parts including die for any wear, damage or breakage
- Check that the ratchet mechanism is releasing only on completion of the crimp cycle and is, consequently, not too tight for normal use.
- Carry out tensile tests with the most frequently used terminal types including the largest and smallest sizes.
- If any faults are found, the tool should be returned to the Cablecraft Tool Centre for attention.

HOW TO ACHIEVE THE PERFECT CRIMP

Achieving the perfect crimp is easy when using a well maintained tool matched to the terminal to be applied. Conforming to BS 7727: 1994 - code of practice for installation and inspection of pre-insulated compression terminals and connectors for cables with copper conductors up to 6mm² (10 AWG).



The conductors and connectors must match each other in terms of their capacity values. The stripping length and positioning of the conductors in the connector should comply with the requirements of the various connectors.

Conductors and connectors must be matched to the crimp profile which suits both type and capacity and then should be positioned correctly. For some crimp connections there are locators which make precise positioning simple. Using control markings, it is possible to check on some crimp results after crimping, in order to check that the crimp has been successful.

Crimping pressure should be applied evenly over the crimp profile. This is best achieved by means of a parallel crimping motion. Crimping pliers are adjusted to achieve a predefined crimping pressure. To make certain that this exact pressure is always applied to the contact, the tools have a ratchet locking device. This ensures that they cannot be opened again until the crimp has been completed properly.

Crimping course

A full product and crimp training programme is now available at Cablecraft-CTT. Below is an outline of what is covered in the course. If you are interested in more information about our training programme please contact us or email:
technical@cablecraft.co.uk

Course content

Crimping systems
An explanation as to the necessity of combining the six elements involved in achieving high quality electrical connections:

- **Appreciation of crimping equipment**
- **Operation & maintenance of crimping tools**
- **Practical application of crimping tools**
- **Gauging & calibration**
- **Evaluation of crimp joint standards**
  Covers the visual appreciation of the completed joints and should incorporate a brief explanation of tensile testing and volt drop testing.
- **Health & safety aspect**
  Covers operator procedures and tooling guards.

On completion of the training programme, you will receive a certificate.

Easy entry pre-insulated crimp terminals:

PVC or halogen-free nylon insulation

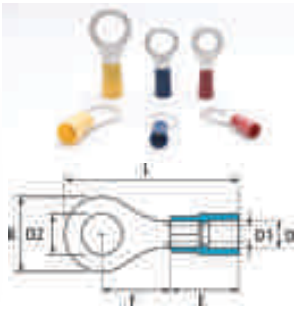
Made from oxygen-free high conductivity copper, these terminals are electro-tin plated for excellent conductivity and resistance to corrosion. Push-on terminals are made from brass, the insulated types have an additional internal copper sleeve, ensuring insulation support and a good crimp joint. The terminals are available in a choice of insulation material: PVC or halogen-free nylon.

Ring terminals

SPECIFICATIONS

PVC
Material Electro-tin plated copper
Insulation Polyvinyl chloride
Approvals
UL E211389, RoHS 2 compliant

HALOGEN-FREE NYLON
Material Electro-tin plated copper
Insulation Halogen-free nylon
Approvals
UL E211389, RoHS 2 compliant

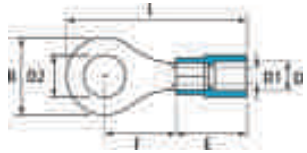


Ring terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation type		Stud size mm	Dimensions (mm)						Pack qty
		PVC	Nylon		B	L	F	E	D	D1	
0.5-1.5 RED	19	CIR1-2	CNIR1-2	2.2	6.6	19.6	6.3	10.0	4.1	1.7	100
	19	CIR1-3	CNIR1-3	3.2	5.5	16.7	4.0	10.0	4.1	1.7	100
	19	CIR1-3.5	CNIR1-3.5	3.7	5.5	16.7	4.0	10.0	4.1	1.7	100
	19	CIR1-4	CNIR1-4	4.3	8.0	21.0	7.0	10.0	4.1	1.7	100
	19	CIR1-5	CNIR1-5	5.3	8.0	21.0	7.0	10.0	4.1	1.7	100
	19	CIR1-6	CNIR1-6	6.5	11.6	26.8	11.1	10.0	4.1	1.7	100
	19	CIR1-8	CNIR1-8	8.4	11.6	26.8	11.1	10.0	4.1	1.7	100
	19	CIR1-10	CNIR1-10	10.5	13.6	30.7	13.9	10.0	4.1	1.7	100
	19	CIR1-12	CNIR1-12	13.0	19.2	35.6	16.0	10.0	4.1	1.7	100
1.5-2.5 BLUE	27	CIR2-3	CNIR2-3	3.2	6.4	17.5	4.3	10.0	4.5	2.3	100
	27	CIR2-3.5	CNIR2-3.5	3.7	6.4	17.5	4.3	10.0	4.5	2.3	100
	27	CIR2-4	CNIR2-4	4.3	8.5	22.0	7.8	10.0	4.5	2.3	100
	27	CIR2-5	CNIR2-5	5.3	9.5	22.0	7.3	10.0	4.5	2.3	100
	27	CIR2-6	CNIR2-6	6.5	12.0	27.0	11.0	10.0	4.5	2.3	100
	27	CIR2-8	CNIR2-8	8.4	12.0	27.0	11.0	10.0	4.5	2.3	100
	27	CIR2-10	CNIR2-10	10.5	13.6	30.7	13.9	10.0	4.5	2.3	100
	27	CIR2-12	CNIR2-12	13.0	19.2	35.6	16.0	10.0	4.5	2.3	50
4-6 YELLOW	48	CIR3-3.5	CNIR3-3.5	3.7	9.5	25.5	8.3	12.5	6.5	3.4	50
	48	CIR3-4	CNIR3-4	4.3	9.5	25.5	8.3	12.5	6.5	3.4	50
	48	CIR3-5	CNIR3-5	5.3	9.5	25.5	8.3	12.5	6.5	3.4	50
	48	CIR3-6	CNIR3-6	6.5	12.0	29.0	10.5	12.5	6.5	3.4	50
	48	CIR3-8	CNIR3-8	8.4	15.0	33.7	13.7	12.5	6.5	3.4	50
	48	CIR3-10	CNIR3-10	10.5	15.0	33.7	13.7	12.5	6.5	3.4	50
	48	CIR3-12	CNIR3-12	13.0	19.2	38.1	16.0	12.5	6.5	3.4	50

Miniature nylon halogen-free ring terminals

Our nylon insulated halogen-free miniature ring terminals are suitable for wire size 0.1 - 0.5 mm². They are electro-tin plated for excellent conductivity and resistance to corrosion.



SPECIFICATIONS

HALOGEN-FREE NYLON
Material
Electro-tin plated copper
Insulation Halogen-free nylon
Approvals
UL, E211389, RoHS 2 compliant

Miniature ring terminals 0.1 - 0.5mm²

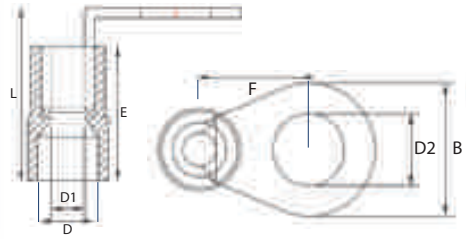
Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation	Dimensions (mm)							Pack qty
		Nylon	D2	B	L	F	E	D	D1	
0.1-0.5 YELLOW	9	CNIR0.1-2	2.2	5.0	16.5	14.0	8.0	2.4	1.0	100
	9	CNIR0.1-2.5	2.7	5.0	16.5	14.0	8.0	2.4	1.0	100
	9	CNIR0.1-3	3.2	5.0	16.5	14.0	8.0	2.4	1.0	100
	9	CNIR0.1-3.5	3.7	6.0	19.0	16.0	8.0	2.4	1.0	100
	9	CNIR0.1-4	4.3	6.5	19.2	16.0	8.0	2.4	1.0	100
	9	CNIR0.1-5	5.3	8.0	20.0	16.0	8.0	2.4	1.0	100

90° Right angled nylon halogen-free ring terminals

Our nylon insulated halogen-free ring terminals feature a 90˚ right angle. They are electro-tin plated for excellent conductivity and resistance to corrosion. The design makes them ideal for tight spaces.

SPECIFICATIONS

HALOGEN-FREE NYLON
Material Electro-tin plated copper
Insulation Halogen-free nylon
Maximum temp. rating 105˚C
Approvals
UL, E211389, RoHS 2 compliant



Ring terminals 0.5 - 2.5mm²

Colour/ Wire Ø mm²	Max. elect. rating (V)	Part no./Insulation	Dimensions (mm)							Pack qty
		Nylon	D2	B	L	F	E	D	D1	
0.5-1.5 RED	19	CNIR1-4RA	4.3	8.0	14.0	7.0	11.0	4.1	1.7	100
	19	CNIR1-5RA	4.3	8.0	14.0	7.0	11.0	4.1	1.7	100
1.5-2.5 BLUE	27	CNIR2-4RA	5.3	8.5	15.0	7.8	11.0	4.5	2.3	100
	27	CNIR2-5RA	5.3	9.5	15.0	7.3	11.0	4.5	2.3	100

Fork terminals

Made from oxygen-free high conductivity copper, these terminals are electro-tin plated for excellent conductivity and resistance to corrosion. Fork terminals are made from brass, the insulated types have an additional internal copper sleeve, ensuring insulation support and a good crimp joint. The terminals are available in a choice of insulation material: PVC or halogen-free nylon.

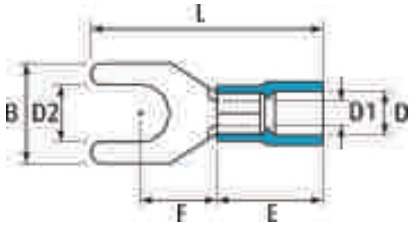
SPECIFICATIONS

PVC

Material Electro-tin plated copper
Insulation Polyvinyl chloride
Approvals
UL E211389, RoHS 2 compliant

HALOGEN-FREE NYLON

Material Electro-tin plated copper
Insulation Halogen-free nylon
Approvals
UL E211389, RoHS 2 compliant

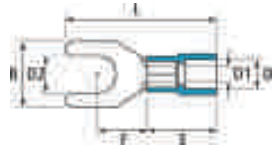


Fork terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation type		Stud size mm	Dimensions (mm)						Pack qty
		PVC	Nylon		B	L	F	E	D	D1	
0.5-1.5 RED	19	CIF1-3	CNIF1-3	3.2	5.8	21.0	6.3	10.0	4.1	1.7	100
	19	CIF1-3.5	CNIF1-3.5	3.7	5.8	21.0	6.3	10.0	4.1	1.7	100
	19	CIF1-4	CNIF1-4	4.3	6.4	20.6	6.3	10.0	4.1	1.7	100
	19	CIF1-5	CNIF1-5	5.3	8.0	21.0	7.0	10.0	4.1	1.7	100
	19	CIF1-6	CNIF1-6	6.5	9.5	21.0	7.0	10.0	4.1	1.7	100
1.5-2.5 BLUE	27	CIF2-3	CNIF2-3	3.2	5.8	21.0	6.3	10.0	4.5	2.3	100
	27	CIF2-3.5	CNIF2-3.5	3.7	5.8	21.0	6.3	10.0	4.5	2.3	100
	27	CIF2-4	CNIF2-4	4.3	6.4	21.0	6.3	10.0	4.5	2.3	100
	27	CIF2-5	CNIF2-5	5.3	8.5	22.0	7.3	10.0	4.5	2.3	100
	27	CIF2-6	CNIF2-6	6.5	9.5	22.0	7.3	10.0	4.5	2.3	100
	27	CIF2-8	CNIF2-8	8.4	12.0	27.2	11.0	10.0	4.5	2.3	100
4-6 YELLOW	48	CIF3-3.5	CNIF3-3.5	3.7	7.2	25.2	7.5	12.5	6.5	3.4	50
	48	CIF3-4	CNIF3-4	4.3	8.5	25.2	7.5	12.5	6.5	3.4	50
	48	CIF3-5	CNIF3-5	5.3	9.5	25.2	7.5	12.5	6.5	3.4	50
	48	CIF3-6	CNIF3-6	6.5	9.5	25.2	7.5	12.5	6.5	3.4	50
	48	CIF3-8	CNIF3-8	8.4	13.5	30.0	10.5	12.5	6.5	3.4	50

Miniature nylon halogen-free fork terminals

Our nylon insulated halogen-free miniature fork terminals are suitable for wire size 0.1 - 0.5 mm². They are electro-tin plated for excellent conductivity and resistance to corrosion.



SPECIFICATIONS

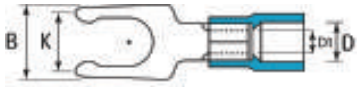
HALOGEN-FREE NYLON

Material
Electro-tin plated copper
Insulation
Halogen-free nylon
Approvals
UL, E211389, RoHS 2 compliant

Miniature fork terminals 0.1 - 0.5mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation	Dimensions (mm)							Pack qty
		Nylon	D2	B	L	F	E	D	D1	
0.1-0.5 YELLOW	9	CNIF0.1-2	2.2	5.0	16.5	14.0	8.0	2.4	1.0	100
	9	CNIF0.1-2.5	2.7	5.0	16.5	14.0	8.0	2.4	1.0	100
	9	CNIF0.1-3	3.2	5.0	16.5	14.0	8.0	2.4	1.0	100
	9	CNIF0.1-3.5	3.7	6.0	19.0	16.0	8.0	2.4	1.0	100
	9	CNIF0.1-4	4.3	6.5	19.2	16.0	8.0	2.4	1.0	100
	9	CNIF0.1-5	5.3	8.0	20.0	16.0	8.0	2.4	1.0	100

Locking fork terminals



Locking fork terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation		Stud size mm	Dimensions (mm)					Pack qty
		PVC	Nylon		D	D1	A	B	K	
0.5-1.5 RED	19	CILF1-3.5	CNILF1-3.5	3.5	3.7	1.7	22.1	7.4	3.7	100
	19	CILF1-4	CNILF1-4	4	3.7	1.7	23.1	8.2	4.3	100
	19	CILF1-5	CNILF1-5	5	3.7	1.7	25.9	9.4	5.2	100
1.5-2.5 BLUE	27	CILF2-3.5	CNILF2-3.5	3.5	4.6	2.3	22.1	7.4	3.7	100
	27	CILF2-4	CNILF2-4	4	4.6	2.3	23.1	8.2	4.3	100
	27	CILF2-5	CNILF2-5	5	4.6	2.3	25.9	9.4	5.2	100
4-6 YELLOW	48	CILF3-3.5	CNILF3-3.5	3.5	6.6	3.4	26.7	7.4	3.7	50
	48	CILF3-4	CNILF3-4	4	6.6	3.4	27.2	8.2	4.3	50
	48	CILF3-5	CNILF3-5	5	6.6	3.4	29.5	9.4	5.2	50

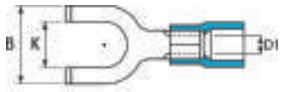
Flanged fork terminals

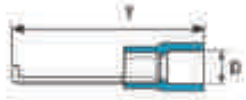
Easy entry pre-insulated flanged fork terminals are made from oxygen-free high conductivity copper and are available in PVC or halogen-free nylon insulation. They are electro-tin plated for excellent conductivity and resistance to corrosion.

SPECIFICATION

PVC
Material
Electro-tin plated copper
Insulation
Polyvinyl chloride
Approvals
UL E211389, RoHS 2 compliant

HALOGEN-FREE NYLON
Material
Electro-tin plated copper
Insulation
Halogen-free nylon
Approvals
UL E211389, RoHS 2 compliant





Flanged fork terminals 0.5 - 6 mm²

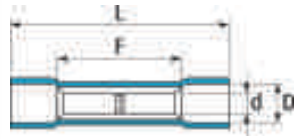
Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation		Stud size mm	Dimensions (mm)					Pack quantity
		PVC	Nylon		D	D1	Y	B	K	
0.5-1.5 RED	19	CIFF1-3.5	CNIFF1-3.5	3.5	4.15	1.7	16.8	5.5	3.7	100
	19	CIFF1-4	CNIFF1-4	4	4.15	1.7	18.5	6.5	4.3	100
	19	CIFF1-5	CNIFF1-5	5	4.15	1.7	18.5	8	5.3	100
	19	CIFF1-6	CNIFF1-6	6	4.15	1.7	21.5	9.5	6.5	100
1.5-2.5 BLUE	27	CIFF2-3.5	CNIFF2-3.5	3.5	4.75	2.3	17.8	5.8	3.7	100
	27	CIFF2-4	CNIFF2-4	4	4.75	2.3	19.5	6.5	4.3	100
	27	CIFF2-5	CNIFF2-5	5	4.75	2.3	19.5	8.5	5.3	100
	27	CIFF2-6	CNIFF2-6	6	4.75	2.3	22.5	9.5	6.5	100
4-6 YELLOW	48	CIFF3-3.5	CNIFF3-3.5	3.5	6.5	3.4	23.2	7.5	3.7	50
	48	CIFF3-4	CNIFF3-4	4	6.5	3.4	24.2	8.5	4.3	50
	48	CIFF3-5	CNIFF3-5	5	6.5	3.4	25.6	9.5	5.3	50
	48	CIFF3-6	CNIFF3-6	6	6.5	3.4	28.7	9.5	6.4	50

Butt connectors

SPECIFICATION

PVC
Material
Electro-tin plated copper
Insulation
Polyvinyl chloride
Approvals
UL E211389, RoHS 2 compliant

HALOGEN-FREE NYLON
Material
Electro-tin plated copper
Insulation
Halogen-free nylon
Approvals
UL E211389, RoHS 2 compliant

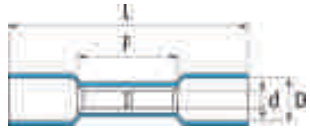


Butt connectors 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation type		Dimensions (mm)				Pack quantity
		PVC	Nylon	L	F	d	D	
0.5-1.5 RED	19	CIBC1	CNIBC1	26.0	15.0	1.7	4.1	100
1.5-2.5 BLUE	27	CIBC2	CNIBC2	26.0	15.0	2.3	4.5	50
4-6 YELLOW	48	CIBC3	CNIBC3	26.0	15.0	3.4	6.5	50

Heat shrink splices

Heat shrinkable splices provide a long lasting environmental seal. Made of an electro-tin plated copper butt connector covered with a piece of adhesive clear polyolefin heatshrink tube. The polymer used in the production of the heatshrink tube is specially adapted to be crimped.



Related products
CRT123 HEATSHRINK
Ratchet crimping tool page 564
1610 S Heatshrink gun page 567
1810 S Heatshrink gun page 568

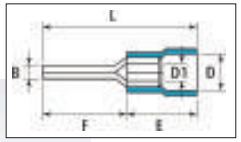
SPECIFICATION

Minimum shrink temperature
150˚C
Continuous operating temperature
-10˚C to 105˚C
Tensile strength 22.5 MPa
Elongation at break 553%
Heat shocks (225˚C x 4 hours)
No cracking
Heat ageing (175˚C x 168 hours)
No crack, flowing or dipping of outer wall
Dielectric strength 12nkV/mm
Chemical resistance
Fluid resistance 23˚C x 24 hours, good
Approvals
UL E211389, RoHS 2 compliant

Heat shrink splices 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part number	Dimensions (mm)				Pack quantity
			L	F	D	d	
0.5-1.5 RED	19	CHSB1	35.0	15.0	4.5	1.7	50
1.5-2.5 BLUE	27	CHSB2	37.0	15.0	5.5	2.3	50
4-6 YELLOW	48	CHSB3	41.0	15.0	6.5	3.4	25

Pin terminals



SPECIFICATION

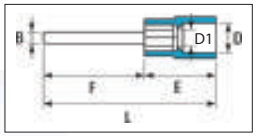
PVC
Material Electro-tin plated copper
Insulation Polyvinyl chloride
Approvals UL 211389 RoHS 2 compliant

HALOGEN-FREE NYLON
Material Electro-tin plated copper
Insulation Nylon
Approvals UL E211389 RoHS 2 compliant

Pin terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation type		Dimensions (mm)						Pack qty
		PVC	Nylon	B	L	F	E	D	D1	
0.5-1.5 RED	19	CIP1-10	CNIP1-10	1.9	20.5	10.5	10.0	4.1	1.7	100
	19	CIP1-12	CNIP1-12	1.9	22.5	12.5	10.0	4.1	1.7	100
1.5-2.5 BLUE	27	CIP2-10	CNIP2-10	1.9	20.5	10.5	10.0	4.5	2.3	100
	27	CIP2-12	CNIP2-12	1.9	22.5	12.5	10.0	4.5	2.3	100
4-6 YELLOW	48	CIP3-14	CNIP3-14	2.8	26.5	14.0	12.5	6.5	3.4	50

Blade terminals



SPECIFICATION

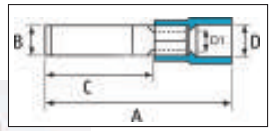
PVC
Material Electro-tin plated copper
Insulation Polyvinyl Chloride
Approvals UL 211389 RoHS 2 compliant

HALOGEN-FREE NYLON
Material Electro-tin plated copper
Insulation Nylon
Approvals UL 211389 RoHS 2 compliant

Blade terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation type		Dimensions (mm)						Pack qty
		PVC	Nylon	B	L	F	E	D	D1	
0.5-1.5 RED	19	CIB1-10	CNIB1-10	2.4	20.5	10.5	10.0	4.1	1.7	100
	19	CIB1-11	CNIB1-11	3.0	21.0	11.0	10.0	4.1	1.7	100
	19	CIB1-14	CNIB1-14	3.0	24.0	14.0	10.0	4.1	1.7	100
	19	CIB1-18	CNIB1-18	2.4	28.0	18.0	10.0	4.1	1.7	100
1.5-2.5 BLUE	27	CIB2-10	CNIB2-10	2.4	20.5	10.5	10.0	4.5	2.3	100
	27	CIB2-18	CNIB2-18	2.4	28.0	18.0	10.0	4.5	2.3	100
4-6 YELLOW	48	CIB3-10	CNIB3-10	2.8	23.0	10.5	12.5	6.5	3.4	50
	48	CIB3-18	CNIB3-18	3.0	30.5	18.0	12.5	6.5	3.4	50

Hooked blade terminals



SPECIFICATION

PVC
Material Electro-tin plated copper
Insulation Polyvinyl chloride
Approvals UL 211389 RoHS 2 compliant

HALOGEN-FREE NYLON
Material Electro-tin plated copper
Insulation Nylon
Approvals UL E211389 RoHS 2 compliant

Hooked blade terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part no./Insulation type		Dimensions (mm)					Pack qty
		PVC	Nylon	D	A	B	C	D1	
0.5-1.5 RED	19	CIHBL1-3.2	CNIHBL1-3.2	4.10	28.0	3.0	18.0	1.7	100
	19	CIHBL1-4.6	CNIHBL1-4.6	4.10	28.0	4.6	18.0	1.7	100
1.5-2.5 BLUE	27	CIHBL2-3.2	CNIHBL2-3.2	4.50	28.0	3.0	18.0	2.3	100
	27	CIHBL2-4.6	CNIHBL2-4.6	4.50	28.0	4.6	18.0	2.3	100
4-6 YELLOW	48	CIHBL3-3.2	CNIHBL3-3.2	6.50	30.0	3.0	17.5	3.4	50
	48	CIHBL3-4.6	CNIHBL3-4.6	6.50	30.0	4.6	17.5	3.4	50

Crimping kit

Everything you need, all in one box!

Assorted PVC insulated crimp terminals and tool

This 24 compartment box comes with an assortment of red, blue and yellow PVC insulated crimp terminals. Also included are; a CRT 123B crimp tool, butt splices, rings, forks, pins, blades, male push-on terminals and female push-on terminals.

Kit

Part no.	Description
CRIMP-KIT	Crimping kit and tool

Pre-insulated crimp terminals:

Insulated tabs and receptacles

Our range of insulated tabs and receptacles are suitable for wires from 0.5mm² to 6.0mm². All types have a copper reinforcement sleeve and are made from copper-alloy, electro tinned. They feature high mechanical and dielectric resistant insulation and heat resistance up to +75˚C. The insulation is available in a choice of two materials: PVC or halogen free nylon.

Insulated push-on female

SPECIFICATION

PVC

Material
Electro-tin plated copper

Insulation
Polyvinyl chloride

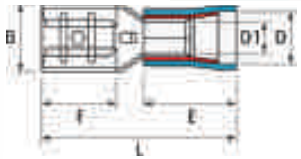
Approvals UL 211389, RoHS 2 compliant

HALOGEN-FREE NYLON

Material Electro-tin plated copper

Insulation Nylon

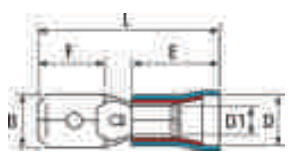
Approvals UL, E211389, RoHS 2 compliant



Insulated push-on female terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max (A) elect. rating	Part no. / Insulation type		For tab		Dimensions (mm)						Pack qty
		PVC	Nylon	Width (mm)	Depth (mm)	B	F	L	E	D	D1	
0.5-1.5 RED	10	CIPO1-2.8F	CNIPO1-2.8F	2.8	0.5	3.2	6.4	18.5	10.0	4.3	1.7	100
	10	CIPO1-2.8FX	CNIPO1-2.8FX	2.8	0.8	3.2	6.4	18.5	10.0	4.3	1.7	100
	10	CIPO1-4.8F	CNIPO1-4.8F	4.8	0.5	5.0	6.5	19.0	10.0	4.3	1.7	100
	10	CIPO1-4.8FX	CNIPO1-4.8FX	4.8	0.8	5.0	6.5	19.0	10.0	4.3	1.7	100
	10	CIPO1-6.3F	CNIPO1-6.3F	6.4	0.8	6.6	7.9	19.0	10.0	4.3	1.7	100
1.5-2.5 BLUE	15	CIPO2-2.8F	CNIPO2-2.8F	2.8	0.5	3.2	6.4	18.5	10.0	5.0	2.3	100
	15	CIPO2-2.8FX	CNIPO2-2.8FX	2.8	0.8	3.2	6.4	18.5	10.0	5.0	2.3	100
	15	CIPO2-4.8F	CNIPO2-4.8F	4.8	0.5	5.0	6.5	19.0	10.0	5.0	2.3	100
	15	CIPO2-4.8FX	CNIPO2-4.8FX	4.8	0.8	5.0	6.5	19.0	10.0	5.0	2.3	100
	15	CIPO2-6.3F	CNIPO2-6.3F	6.4	0.8	6.6	7.9	21.0	10.0	5.0	2.3	100
4-6 YELLOW	24	CIPO3-6.3F	CNIPO3-6.3F	6.4	0.8	6.6	7.9	23.5	12.5	6.5	3.4	50
	24	CIPO3-9.5F	CNIPO3-9.5F	9.5	1.2	9.9	12.5	28.5	12.5	6.5	3.4	50

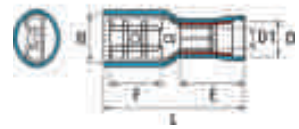
Insulated push-on male



Insulated push-on male terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max (A) elect. rating	Part no. / Insulation type		Tab		Dimensions (mm)						Pack qty
		PVC	Nylon	Width (mm)	Depth (mm)	B	F	L	E	D	D1	
0.5-1.5 RED	10	CIPOM1-2.8X	CNIPOM1-2.8X	2.8	0.8	2.8	7.8	20.5	10.0	4.0	1.7	100
	10	CIPOM1-4.8X	CNIPOM1-4.8X	4.8	0.8	4.8	7.8	20.5	10.0	4.0	1.7	100
	10	CIPOM1	CNIPOM1	6.35	0.8	6.4	7.8	21.2	10.0	4.3	1.7	100
1.5-2.5 BLUE	15	CIPOM2-4.8X	CNIPOM2-4.8X	4.8	0.8	4.8	7.8	20.5	10.0	4.5	2.3	100
	15	CIPOM2	CNIPOM2	6.35	0.8	6.4	7.8	21.2	10.0	5.0	2.3	100
4-6 YELLOW	24	CIPOM3	CNIPOM3	6.35	0.8	6.4	7.8	23.7	12.5	6.5	3.4	50

Fully insulated push-on female



Fully insulated push-on female terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max (A) elect. rating	Part no. / Insulation type		For tab		Dimensions (mm)						Pack qty
		PVC	Nylon	Width (mm)	Depth (mm)	B	F	L	E	D	D1	
0.5-1.5 RED	10	CIFPO1-2.8F	CNIFPO1-2.8F	2.8	0.5	3.2	6.4	19.0	10.0	4.3	1.7	100
	10	CIFPO1-2.8FX	CNIFPO1-2.8FX	2.8	0.8	3.2	6.4	19.0	10.0	4.3	1.7	100
	10	CIFPO1-4.8F	CNIFPO1-4.8F	4.8	0.5	5.0	6.5	19.0	10.0	4.3	1.7	100
	10	CIFPO1-4.8FX	CNIFPO1-4.8FX	4.8	0.8	5.0	6.5	19.0	10.0	4.3	1.7	100
	10	CIFPO1-6.3F	CNIFPO1-6.3F	6.4	0.8	6.6	7.9	21.0	10.0	4.3	1.7	50
1.5-2.5 BLUE	15	CIFPO2-2.8F	CNIFPO2-2.8F	2.8	0.5	3.2	6.4	6.4	10.0	5.0	2.3	100
	15	CIFPO2-2.8FX	CNIFPO2-2.8FX	2.8	0.8	3.2	6.4	6.4	10.0	5.0	2.3	100
	15	CIFPO2-4.8F	CNIFPO2-4.8F	4.8	0.5	5.0	6.5	6.5	10.0	5.0	2.3	100
	15	CIFPO2-4.8FX	CNIFPO2-4.8FX	4.8	0.8	5.0	6.5	6.5	10.0	5.0	2.3	100
	15	CIFPO2-6.3F	CNIFPO2-6.3F	6.4	0.8	6.6	7.9	7.9	10.0	5.0	2.3	50
4-6 YELLOW	24	CIFPO3-6.3F	CNIFPO3-6.3F	6.4	0.8	6.6	7.9	25.0	13.0	6.5	3.4	50
	24	CIFPO3-9.5F	CNIFPO3-9.5F	9.5	1.2	9.9	12.5	29.5	13.0	6.5	3.4	25

Insulated piggy back

Tab width
6.4mm
Tab thickness
0.8mm

SPECIFICATION

HALOGEN-FREE NYLON
Material Electro-tin plated copper
Insulation Nylon
Approvals UL, E211389, RoHS 2 compliant

PVC
Material Electro-tin plated copper
Insulation Polyvinyl chloride
Approvals UL, 211389, RoHS 2 compliant

Insulated piggy back terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max (A) elect. rating	Part no. / Insulation type		Dimensions (mm)								Pack qty
		PVC	Nylon	B	B1	F	F1	L	E	D	D1	
0.5-1.5 RED	10	CIPB1-6.3	CNIPB1-6.3	6.6	6.4	8.0	8.2	22.0	10.0	4.3	1.7	50
1.5-2.5 BLUE	15	CIPB2-6.3	CNIPB2-6.3	6.6	6.4	8.0	8.2	22.0	10.0	5.0	2.3	50
4-6 YELLOW	24	CIPB3-6.3	CNIPB3-6.3	6.6	6.4	8.0	8.2	23.5	12.5	6.5	3.4	50

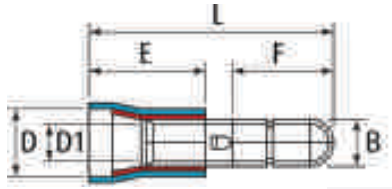
Fully insulated piggy back

Tab width
6.4mm
Tab thickness
0.8mm

Fully insulated piggy back terminals 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max (A) elect. rating	Part no. / Insulation type		Dimensions (mm)								Pack qty
		PVC	Nylon	B	B1	F	F1	L	E	D	D1	
0.5-1.5 RED	10	CIFPB1-6.3F	CNIFPB1-6.3F	6.6	6.4	8.0	8.2	22.0	10.0	4.3	1.7	50
1.5-2.5 BLUE	15	CIFPB2-6.3F	CNIFPB2-6.3F	6.6	6.4	8.0	8.2	22.0	10.0	5.0	2.3	50
4-6 YELLOW	24	CIFPB3-6.3F	CNIFPB3-6.3F	6.6	6.4	8.0	8.2	23.5	13	6.5	3.4	25

Auto bullets - male



SPECIFICATION

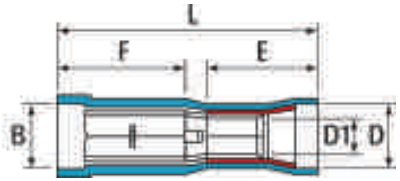
HALOGEN-FREE NYLON
Material Electro-tin plated copper
Insulation Nylon
Approvals UL, E211389, RoHS 2 compliant

PVC
Material
Electro-tin plated copper
Insulation Polyvinyl chloride
Approvals
UL 211389
RoHS 2 compliant

Auto bullets - male 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max (A) elect. rating	Part no. / Insulation type		Dimensions (mm)						Pack qty
		PVC	Nylon	B	L	F	E	D	D1	
0.5-1.5 RED	10	CIAB1M	CNIAB1M	4.0	23.0	8.5	10.0	4.3	1.7	100
1.5-2.5 BLUE	15	CIAB2M	CNIAB2M	4.0	23.0	8.5	10.0	5.0	2.3	100
	15	CIAB2M5	CNIAB2M5	5.0	23.0	8.5	10.0	5.0	2.3	100
4-6 YELLOW	24	CIAB3M	CNIAB3M	5.0	25.0	8.5	13.0	6.5	3.4	50

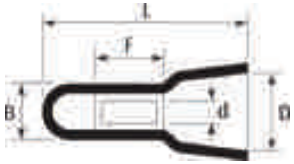
Auto bullets - female



Auto bullets - female 0.5 - 6 mm²

Colour/ Wire Ø mm²	Max (A) elect. rating	Part no. / Insulation type		Dimensions (mm)						Pack qty
		PVC	Nylon	B	L	F	E	D	D1	
0.5-1.5 RED	10	CIAB1F	CNIAB1F	4.0	23.0	8.5	10.0	4.3	1.7	100
1.5-2.5 BLUE	15	CIAB2F	CNIAB2F	4.0	23.0	8.5	10.0	5.0	2.3	100
	15	CIAB2F5	CNIAB2F5	5.0	23.0	8.5	10.0	5.0	2.3	100
4-6 YELLOW	24	CIAB3F	CNIAB3F	5.0	25.0	8.5	13.0	6.5	3.4	50

Closed end connectors - halogen-free nylon



SPECIFICATIONS

Material Copper

Insulation Halogen-free nylon

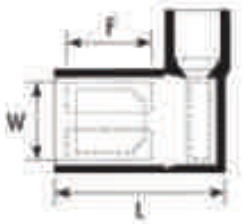
Approvals UL approved E211389
RoHS 2 compliant

Closed end connectors 1.25 - 5.5 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part number	Dimensions (mm)					Pack quantity
			B	d	D	F	L	
22-16 AWG/1.25mm²	19	CEC1	5.0	2.4	6.5	8.0	18.0	100
16-14AWG/2mm²	27	CEC2	7.0	3.0	8.0	9.0	21.0	100
12-10AWG/5.5mm²	48	CEC5	7.0	4.0	10.5	10.0	25.0	25

Suitable for use with tool CRT CEC available from our website **www.cablecraft.co.uk** or contact our sales department.

Insulated female flag disconnectors - halogen-free nylon



SPECIFICATIONS

Material Copper

Insulation Halogen-free nylon

Approvals UL approved E211389
RoHS 2 compliant

Insulated female flag disconnectors 0.5 - 2.5 mm²

Colour/ Wire Ø mm²	Max. elect. rating (A)	Part number	Dimensions (mm)			Pack quantity
			W	F	L	
0.5 - 1.5 RED	19	FLAG 1	6.60	10	15	50
1.5 - 2.5 BLUE	27	FLAG 2	6.60	10	15	50

Tool for insulated flag terminals

Hand ratchet tool for insulated flag suitable for terminals from 0.5mm² to 2.5mm².

Cablecraft CRT 12 IF For flag terminals 0.5 -2.5mm²

Part number	Tool length (mm)	For size (mm²)
CRT 12 IF	230	0.5 - 2.5

Pre-insulated terminal crimping tools

Cablecraft calibration service p.331

Our range of pre-insulated crimping tools meets budget, size range and quality requirements.

Cablecraft CRT 123B For terminals 0.5 -6.0mm²

This budget range crimp tool with a single cast multi-die head is suitable for pre-insulated terminals from 0.5 - 6.0mm² and is also suitable for automotive and contracting applications.

Part number	Tool length (mm)	For size (mm²)
CRT123B	230	0.5 - 6.0

Cablecraft CRT 123 For terminals 0.5 -6.0mm²

This hand ratchet tool with a single cast multi-die head is suitable for pre-insulated terminals from 0.5 - 6.0mm² and will produce a satisfactory crimp with a wide range of crimp terminals.

Part number	Tool length (mm)	For size (mm²)
CRT123	230	0.5 - 6.0

Cablecraft Rennsteig 619 060 3 tool For terminals 0.5 -6.0mm²

This light, hand ratchet tool offers ease of use and extremely accurate performance. Conforms to BS and international standards.

Part number	Tool length (mm)	For size (mm²)
RENN619 060 3	215	0.5 - 6.0

Cablecraft Rennsteig parallel crimping tool 624 060 3

The Cablecraft Rennsteig parallel crimping tool offers easy-to-use, consistent performance and ensures guaranteed crimping accuracy. It has a long lever for either one or two hand operation. Conforms to BS and International standards.

SPECIFICATIONS

- 30% reduced hand force due to optimal transmission by toggle joint.
- Forced locking for reliable crimping, releasable.
- Easy handling by optimal position of gravity centre.
- Consistent performance and accuracy.
- Long lever for either one or two hand operation.
- Crimp die is interchangeable.
- Material: special tool steel.
- Conforms to BS and International standards.

Cablecraft Rennsteig 624 060 3 For pre-insulated terminals

The Cablecraft Rennsteig parallel crimping tool offers easy-to-use, consistent performance with guaranteed crimping accuracy. Conforms to BS and international standards. For use with insulated crimp terminals.

Part number	Tool length (mm)	For size (mm²)
RENN624 060 3	200	0.5 - 6.0

CABLECRAFT Tool Centre
CALIBRATION REPAIR AND SERVICE

Cablecraft Tool Centre
Offering a complete tool calibration, repair and inspection service

technical@cablecraft.co.uk
t 0800 0280 134

Calibrated crimping tools

Our range of calibrated tools have been fully tested and approved to DIN EN 50109-1 standard. Each tool is engraved and is allocated a calibration certificate. This ensures all your tools are registered so that they can be regularly re-calibrated.

Cablecraft Rennsteig 624 060 3 C

Cablecraft Rennsteig 624 060 3 C For pre-insulated terminals

The Cablecraft Rennsteig parallel crimping tool offers easy-to-use, consistent performance and ensures guaranteed crimping accuracy. For use with Cablecraft-CTT insulated crimp terminals. This tool comes engraved and with a calibration certificate. Conforms to DIN EN 50109-1 standard.

Part number	Tool length (mm)	For size (mm²)
RENN624 060 3C	200	0.5 - 6.0

Cablecraft Rennsteig 619 060 3 C

Cablecraft Rennsteig 619 060 3 C tool For pre-insulated terminals

This light, compact, hand ratchet tool offers ease of use and extremely accurate performance. For use with Cablecraft-CTT insulated crimp terminals. This tool comes engraved and with a calibration certificate. Conforms to DIN EN 50109-1 standard.

Part number	Tool length (mm)	For size (mm²)
RENN619 060 3C	215	0.5 - 6.0

Pneumatic and electric crimping tools and dies

Our pneumatic and electric crimping tools provide consistent crimp performance and accuracy. These powerful tools give cost savings by reducing crimping time and operator fatigue.

Cablecraft mini battery operated crimping tool

Our battery operated crimping tool is light, easy to use and features a two stage hydraulic action for interchangeable dies. Suitable for crimping insulated and non-insulated terminals. The head rotates 180° for ease of use. The battery pack, charger and standard dies are included.

SPECIFICATIONS

Crimping time 2 seconds
Dies Standard LY-03C dies included. For more see opposite
Weight 2.3 Kgs (without battery)
Length 400mm
Battery NIMH 14.4V 3Ah
Battery charge time 60 minutes

Battery operated crimping tool and accessories	
Part number	**Description**
CMBCT-001	Battery crimping tool, battery pack & charger
B-02	Spare battery pack
CH-06	Spare charger

Cablecraft electric crimping tool

Our electric crimping tool is easy to use and has an output of 12.7 kN (1.3 metric tons). The tool features a two stage hydraulic action for interchangeable dies. Suitable for crimping insulated and non-insulated terminals. 45 different die options available - see opposite.

SPECIFICATIONS

Crimping time
1.5 second (60Hz)/1.8 second (50Hz)
Dies
45 die options available (see opposite page)
Weight
15.7 Kgs (without battery)
Dimensions
L 340mm
H 170mm
W 160mm

Electric crimping tool	
Part number	**Description**
CECM-1	Electric crimping tool

Cablecraft pneumatic crimping tool

Our pneumatic crimping tool is a bench mounted, air operated tool for use with a variety of terminals. Please note, dies are ordered separately – see below.

SPECIFICATIONS

Applicable air pressure
5 - 6 Bar (80-115 psi)
Air consumption
34L/min at 30 crimps per min.
Output force
1.3 Ton at 5 bar air pressure.
Weight
2.7Kg
Dimensions
L 225mm
H 135mm
W 90mm

Crimping head and foot pump	
Part number	**Description**
PA6B+PF1	Crimp head and foot switch

Foot air valve

Pneumatic crimping head

Cablecraft crimping dies

**A range of crimping dies for use with Cablecraft battery, electric and pneumatic crimping tools.
In addition to the dies listed here, there are 45 options covering crimp terminals, cord end terminals, data connectors, flag terminals and contact pins. Please contact our technical department for more information.**

Packs		
Part number	**Description**	**Pack quantity**
LY-03C DIE	0.5 - 6	Insulated crimp terminals
LY-04C DIE	0.14 - 6	Insulated crimp terminals
LY-10 DIE	1.5 - 10	Non-insulated crimp terminals
LY-03B DIE	0.5 - 6	Open barrel crimp terminals
LY-04WF DIE	0.5 - 4	Cord end sleeves
LY-06WF DIE	0.75 - 6	Cord end sleeves
LY-16WF DIE	6 - 16	Cord end sleeves
LY-25NWF DIE	10 - 25	Cord end sleeves
LY-35NWF DIE	16 - 35	Cord end sleeves
LY-50NWF DIE	25 - 50	Cord end sleeves
C-C7	Cutter die for CU/AL - Up to 7mm OD	

For a wider selection of dies
for open barrel terminals, data connections etc, Contact us: 0800 0280 134

CONNECT
Vibration resistant pre-insulated terminals

CTT Vibration resistant terminals

Pre-insulated, nylon, easy entry

CTT Vibration resistant terminals have an additional copper sleeve fitted over the conductor barrel. This provides a strong mechanical grip on the cable insulation and protects the electrical connection from vibration and mechanical stresses.

The high specification of the crimp is coupled with matched crimp tool and die, which fully conform to the performance and standards shown in the table below.

SPECIFICATIONS

Insulating material
Halogen-free nylon
Approvals
RoHS 2 compliant
Maximum working temperature
105˚C
Crimp performance
LUL E 6487A2, RoHS 2
Special features
- Restricted neck ensures correct crimping of thin wall high performance cables.
- Strong mechanical grip on cable insulation.

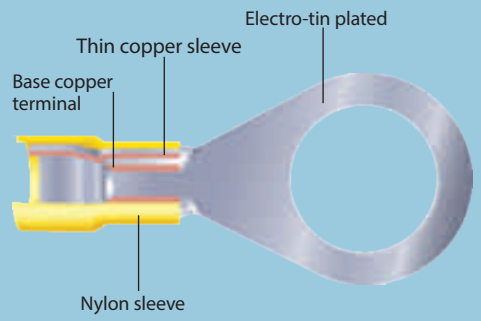


IMAGE © TRANSPORT FOR LONDON 2014

Training
Full product and crimping training is available
0800 0280 134

CTT Crimping solutions

Performance standards guide

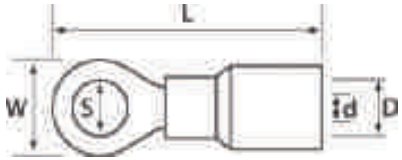
Our guide looks at the testing involved in awarding standards, and their applications

BS4579 PT 1 1970	General industry specification (and test parameters) for the control and performance of compression joints.
BS5G178 PT 1 1993	Aerospace specification for control of crimping, including operator control tests.
BS4G178 PT 2 1986 **	Aerospace specification for manufacturers of crimps to meet design/test requirements for components and tools.
RSE/STD/024 PT 7 *	LUL Equipment standard (replaced by E6487 A2) including vibration applications and defined tests.
MOD 59.71 Issue 1	Standards for warships, tanks and other MOD applications.
ST 363C	European standard giving technical standard for special conductors for transportation applications - channel tunnel.
BS5057 ***	Specification for brass and phosphur bronze push-on terminals - extraction, tensile and contact resistance instructions.
UL/CSA	Underwriters Laboratories approvals/Canadian Standards Authority for North America & Canada.

	Milli-volt	Thermal cycling	Tensile pull off	Fluid tests	Insulation support	Dielectric test	Salt spray	Heat ageing	Low temp crimp
BS4579 PT 1 1970	Yes	Yes	No	No	No	No	No	No	No
BS5G178 PT 1 1993	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BS4G178 PT 2 1986 **	Yes	No	No	No	No	No	No	No	No
E 6487 A2 LUL	Yes	Yes	Yes	No	No	No	No	No	No
MOD 59.71 PT 1 ISSUE 2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST 363C	Yes	Yes	Yes	--	--	--	--	--	Yes
BS5057 ***	No	No	Yes	No	No	--	No	No	No

* RME 646A ** BS4G 178 PT1 1984 *** Electrical contact resistance, insertion/withdrawal forces

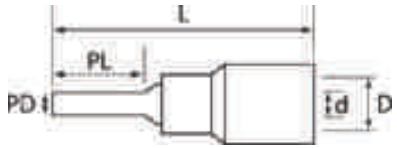
Pre-insulated easy entry nylon ring terminals



Ring terminals 0.30 - 6.64mm²

Wire Ø mm² / AWG	Part number	Stud size (mm)	Dimensions (mm)					Pack qty
			S	W	L	d	D	
0.30-1.65mm² 22-16 AWG RED	R37PR-VR-N	3.5	3.7	6.8	19.4	1.7	3.6	100
	R43PR-VR-N	4.0	4.3	8.0	21.1	1.7	3.6	100
	R53PR-VR-N	5.0	5.3	8.0	21.1	1.7	3.6	100
	R65PR-VR-N	6.0	6.4	12.0	25.7	1.7	3.6	100
	R85PR-VR-N	8.0	8.4	12.0	25.7	1.7	3.6	100
1.04-2.63mm² 16-14 AWG BLUE	B37PR-VR-N	3.5	3.7	6.6	19.9	2.3	4.3	100
	B43PR-VR-N	4.0	4.3	8.0	21.6	2.3	4.3	100
	B53PR-VR-N	5.0	5.3	8.0	21.6	2.3	4.3	100
	B65PR-VR-N	6.0	6.4	12.0	27.0	2.3	4.3	100
	B85PR-VR-N	8.0	8.4	12.0	27.0	2.3	4.3	100
	B10PR-VR-N	10.0	10.5	15.0	30.0	2.3	4.3	100
2.63-6.64mm² 12-10 AWG YELLOW	Y37PR-VR-N	3.5	3.7	9.0	25.7	3.4	6.0	100
	Y43PR-VR-N	4.0	4.3	9.5	27.0	3.4	6.0	100
	Y53PR-VR-N	5.0	5.3	9.5	27.0	3.4	6.0	100
	Y65PR-VR-N	6.0	6.4	12.0	30.5	3.4	6.0	100
	Y85PR-VR-N	8.0	8.4	15.0	35.5	3.4	6.0	100
	Y10PR-VR-N	10.0	10.5	15.0	35.5	3.4	6.0	100
	Y12PR-VR-N	12.0	13.0	19.2	40.0	3.4	6.0	100

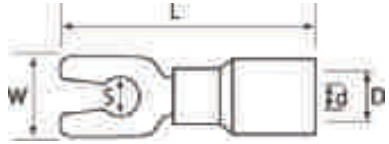
Pre-insulated easy entry nylon pin terminals



Pin terminals 0.30 - 6.64mm²

Wire Ø mm² /AWG	Part number	Dimensions (mm)					Pack qty
		PL	PD	L	d	D	
0.30-1.65mm² 22-16 AWG	R12PP-VR-N	12.0	1.9	21.2	1.7	3.6	100
1.04-2.63mm² 16-14 AWG	B12PP-VR-N	12.0	1.9	21.7	2.3	4.3	100
2.63-6.64mm² 12-10 AWG	Y14PP-VR-N	14.0	2.7	26.5	3.4	6.0	100

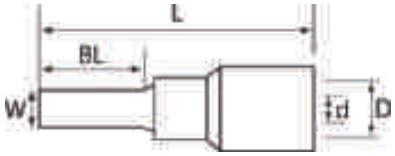
Pre-insulated easy entry nylon locking spade terminals



Locking spade terminals 0.30 - 6.64mm²

Wire Ø mm² / AWG	Part number	Stud size (mm)	Dimensions (mm)					Pack qty
			S	W	L	d	D	
0.30-1.65mm² 22-16 AWG RED	R32PLS-VR-N	3.0	3.3	6.4	19.5	1.7	3.6	100
	R37PLS-VR-N	3.5	3.7	6.4	19.5	1.7	3.6	100
	R43PLS-VR-N	4.0	4.3	7.1	21.5	1.7	3.6	100
	R53PLS-VR-N	5.0	5.3	8.4	21.5	1.7	3.6	100
1.04-2.63mm² 16-14 AWG BLUE	B32PLS-VR-N	3.0	3.3	6.4	19.5	2.3	4.3	100
	B37PLS-VR-N	3.5	3.7	6.4	19.5	2.3	4.3	100
	B43PLS-VR-N	4.0	4.3	7.1	21.5	2.3	4.3	100
	B53PLS-VR-N	5.0	5.3	8.4	21.5	2.3	4.3	100
2.63-6.64mm² 12-10 AWG YELLOW	Y37PLS-VR-N	3.5	3.7	7.9	25.7	3.4	6.0	100
	Y43PLS-VR-N	4.0	4.3	7.9	25.7	3.4	6.0	100
	Y53PLS-VR-N	5.0	5.3	8.4	25.7	3.4	6.0	100

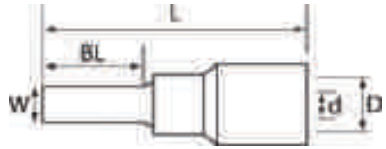
Pre-insulated easy entry nylon flat blade terminals



Flat blade terminals 0.30 - 6.64mm²

Wire Ø mm²/AWG	Part number	Dimensions (mm)					Pack qty
		BL	W	L	d	D	
0.30-1.65mm² 22-16 AWG	R10PBL-VR-N	10.1	2.2	20.5	1.7	3.6	100
	R18PBL-VR-N	18.5	2.2	28.5	1.7	3.6	100
1.04-2.63mm² 16-14 AWG	B9PBL-VR-N	9.1	2.8	19.1	2.3	4.3	100
	B18PBL-VR-N	18.5	2.2	28.5	2.3	4.3	100
2.63-6.64mm² 12-10 AWG	Y10PBL-VR-N	10.0	2.8	24.0	3.4	6.0	100
	Y18PBL-VR-N	18.0	4.5	32.0	3.4	6.0	100

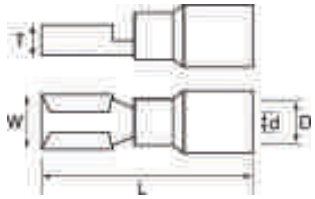
Pre-insulated easy entry nylon hooked blade terminals



Hooked blade terminals 0.30 - 6.64mm²

Wire Ø mm²/AWG	Part number	Dimensions (mm)					Pack qty
		BL	W	L	d	D	
0.30-1.65mm² 22-16 AWG	R30PHBL-VR-N	17.0	3.0	27.0	1.7	3.6	100
	R46PHBL-VR-N	17.0	4.6	27.0	1.7	3.6	100
1.04-2.63mm² 16-14 AWG	B46PHBL-VR-N	17.0	4.6	27.0	2.3	4.3	100
2.63-6.64mm² 12-10 AWG	Y46PHBL-VR-N	17.0	4.6	31.0	3.4	6.0	100

Pre-insulated easy entry nylon push-on terminals - Female



Female push-on terminals 0.30 - 6.64mm²

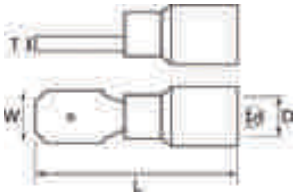
Wire Ø mm²/AWG	Part number	Dimensions (mm)				Pack qty
		W x T	L	d	D	
0.30-1.65mm² 22-16 AWG	R28PFPO-VR-N	2.8 x 0.5	17.5	1.8	3.6	100
	R28PFPOT-VR-N	2.8 x 0.8	17.5	1.8	3.6	100
	R48PFPO-VR-N	4.8 x 0.5	19.5	1.8	3.6	100
	R48PFPOT-VR-N	4.8 x 0.8	19.5	1.8	3.6	100
	R63PFPO-VR-N	6.3 x 0.8	21.0	1.8	3.6	100
1.04-2.63mm² 16-14 AWG	B48PFPO-VR-N	4.8 x 0.5	19.5	2.4	3.9	100
	B48PFPOT-VR-N	4.8 x 0.8	19.5	2.4	3.9	100
	B63PFPO-VR-N	6.3 x 08	21.0	2.4	3.9	100
2.63-6.64mm² 12-10 AWG	Y63PFPO-VR-N	6.3 x 0.8	26.0	3.5	5.8	100
	Y95PFPO-VR-N	9.5 x 1.2	31.0	3.5	5.8	100

Fully insulated easy entry push-on terminals - Female

Female fully insulated push-on terminals 0.30 - 6.64mm²

Wire Ø mm²/AWG	Part number	Dimensions (mm)				Pack qty
		W x T	L	d	D	
0.30-1.65mm² 22-16 AWG	R63CPFPO-VR-N	6.3 x 0.8	21.0	2.1	3.6	100
1.04-2.63mm² 16-14 AWG	B63CPFPO-VR-N	6.3 x 0.8	21.0	2.8	3.9	100
2.63-6.64mm² 12-10 AWG	Y63CPFPO-VR-N	6.3 x 0.8	26.0	3.5	5.8	100

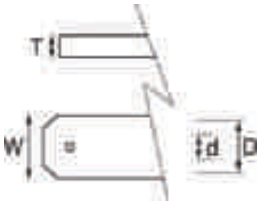
Pre-insulated easy entry nylon push-on terminals - Male



Push-on terminals: Male 0.75 - 6.64mm²

Wire Ø mm² /AWG	Part number	Dimensions (mm)				Pack qty
		W x T	L	d	D	
0.75-1.65mm² 22-16 AWG	R63PMPO-VR-N	6.3 x 0.8	21.0	1.85	3.6	100
1.04-2.63mm² 16-14 AWG	B63PMPO-VR-N	6.3 x 0.8	21.0	2.55	3.9	100
2.63-6.64mm² 12-10 AWG	Y63PMPO-VR-N	6.3 x 0.8	26.0	3.65	5.5	100

Pre-insulated easy entry push-on piggyback adaptors - Male/female



Piggy back adaptors: Male/female 0.75 - 2.63mm²

Wire Ø mm² /AWG	Part number	Dimensions (mm)				Pack qty
		W x T	Length	d	D	
0.75-1.65mm² 22-16 AWG	R63PPB-VR-N	6.3 x 0.8	22.0	1.85	3.6	100
1.04-2.63mm² 16-14 AWG	B63PPB-VR-N	6.3 x 0.8	22.0	2.55	3.9	100

Pre-insulated terminal crimping: RTB 510 system

This precision Swiss made hand ratchet tool is used in conjunction with a wide selection of die which cover most types of compression connectors. Its design enables the necessary force to be produced with the minimum effort. Specially designed locating faces and just two retaining screws make changing the die an easy operation. See below for the kit and overleaf for the tool, dies and guages compatible with the RTB 510 system.

Cablecraft offers this service:
Adjustment, spares and repairs
Contact us: **0800 0280 134**

APPLICATIONS
- Pre-insulated and uninsulated terminals 0.75 to 16mm²
- Copper tube terminals 0.75 to 6.0mm² (ident type) and 0.75 to 6.0mm² (hexagon type).
- Cord end terminals 0.5 to 50mm²

STANDARDS
Crimp performance to comply with BS and International standards.

RTB-510 system: Rail crimp tool and die kit

This kit contains the RTB-510 precision made hand ratchet tool that can be used in conjunction with a wide selection of die which cover all types of compression connectors. The kit comes complete in a carry case and includes a Q connector and three dies.

Tool and die kit

Part number	Description
RTB510-BRK	RTB kit: 1 x RTB-510 tool, 1 x relay Q connector (FTD63-Q-10RT), 3 x dies (PVRD15S-10RT, PVRD25S-10RT, PVRD6S-10RT)

RTB-510 system - Tool and empty case

The RTB-510 tool is a precision made hand ratchet tool that can be used in conjunction with a wide selection of die (see below) which cover all types of compression connectors. A spare case is available to purchase separately.

RTB 510 tool and case		
Part number	Description	Size (mm²)
RTB-510	RTB 510 tool	0.5 - 50.0
PCCR-10RT	Empty carry case for both tool and 10 die pairs	–

RTB-510 system - Dies for pre-insulated and uninsulated terminals

Made with high quality ground hardened steel, each die has ground location faces and two retaining screws to retain die in tool body.

Dies			
Part number	Wire CSA (mm²)	Recommended terminal type	Pack qty
PD56-10RT	0.75 - 6.00	Red, Blue, Yellow Pre-Insulated Terminals	1
PVRD15S-10RT	0.75 - 1.50	Vibration Resistant Terminals	1
PVRD25S-10RT	1.50 - 2.50	Vibration Resistant Terminals	1
PVRD6S-10RT	4.00 - 6.00	Vibration Resistant Terminals	1
PVRD15CP-10RT	0.75 - 1.50	R63CPFPO-VR-N	1
PETD2560-10RT	0.25 - 6.00	Insulated and Uninsulated End Terminals	1
PETD616-10RT	6.00 - 16.00	Insulated and Uninsulated End Terminals	1
PETD2535-10RT	25 and 35	Insulated and Uninsulated End Terminals	1
PETD2550-10RT	25 and 50	Insulated and Uninsulated End Terminals	1
UHD56-10RT	0.75 - 6.00	BST Terminals	1
UID56-10RT	0.75 - 6.00	UR Terminals	1
FTD1475-10RT	0.14 - 0.75	UFPO Flat Tabs 2.8 and 4.8	1
FTD56-10RT	0.50 - 6.00	UFPO Flat Tabs 6.3	1
FTD63-Q-10RT	0.63 (9/0.30)	Relay Q Connector	1

Dies can be manufactured to suit special applications. Please contact **technical@cablecraft.co.uk** for a quotation.

RTB-510 system - Tool body test block

Tool body test block enables correct setting of tool body to be established. This allows for a fast calibration tool setting check.

Tool and die kit	
Part number	Description
TB-10RT	Tool body test block

RTB-510 system - Die guages

Go/No-Go die guages: for an easy way to check the size of the die aperture.

Die guages		
Guage part no.	Suitable die	Pack quantity
GPD5615-10RT	PD56-10RT All 3 guages required	1
GPD5625-10RT		1
GPD566-10RT		1
GPVRD15-10RT	PVRD15S-10RT	1
GPVRD25-10RT	PVRD25S-10RT	1
GPVRD6-10RT	PVRD65-10RT	1
GPVRD15CP-10RT	PVRD15CP-10RT	1
GUHD5615-10RT	UHD56-10RT All 4 guages required	1
GUHD5625-10RT		1
GUHD564-10RT		1
GUHD566-10RT		1
GUID5615-10RT	UID56-10RT All 3 guages required	1
GUID5625-10RT		1
GUID566-10RT		1

CABLECRAFT Tool Centre
CALIBRATION REPAIR AND SERVICE

Cablecraft Tool Centre
Offering a complete tool calibration, repair and inspection service

technical@cablecraft.co.uk
t 0800 0280 134

Heat shrinkable easy entry terminals

Our insulated heat shrinkable terminals are brazed seam electro-tin plated for excellent conductivity and resistance to corrosion. They have a maximum operating temperature of 105˚C, 600 volts maximum electrical rating, are waterproof, have a maximum heat shrinkable temperature of 150˚C and meet the requirements of RoHS 2.

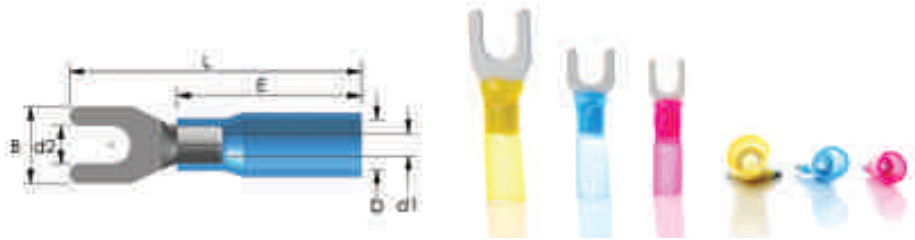
Related products
CRT123 HEATSHRINK Ratchet crimping tool page 564
1610 S Heatshrink gun page 567
1810 S Heatshrink gun page 568

Insulated heat shrinkable ring terminals

Heat shrinkable ring terminals: 0.5 - 6.0mm²

Wire range awg/ mm²	Part number	Stud size d2 (mm)	Dimensions (mm)					Pack qty
			D1	B	L	E	D	
22-16/ 0.5-1.5mm² RED	CHSR1-3.5	3.7	1.7	8.0	26.0	18.5	4.5	100
	CHSR1-4	4.3	1.7	8.0	26.0	18.5	4.5	100
	CHSR1-5	5.3	1.7	8.0	26.0	18.5	4.5	100
	CHSR1-6	6.5	1.7	11.6	31.5	18.5	4.5	100
	CHSR1-8	8.4	1.7	11.6	31.5	18.5	4.5	100
	CHSR1-10	10.5	1.7	13.6	40.5	18.5	4.5	100
16-14/ 1.5-2.5mm² BLUE	CHSR2-3.5	3.7	2.3	8.5	28.5	20.5	5.5	100
	CHSR2-4	4.3	2.3	8.5	28.5	20.5	5.5	100
	CHSR2-5	5.3	2.3	9.5	28.5	20.5	5.5	100
	CHSR2-6	6.5	2.3	12.0	33.5	20.5	5.5	100
	CHSR2-8	8.4	2.3	12.0	33.5	20.5	5.5	100
	CHSR2-10	10.5	2.3	13.6	37.2	20.5	5.5	50
12-10/ 4.0-6.0mm² YELLOW	CHSR3-4	4.3	3.4	9.5	33.0	23.5	6.5	50
	CHSR3-5	5.3	3.4	9.5	33.0	23.5	6.5	50
	CHSR3-6	6.5	3.4	12.0	36.5	23.5	6.5	50
	CHSR3-8	8.4	3.4	15.0	41.0	23.5	6.5	50
	CHSR3-10	10.5	3.4	15.0	41.0	23.5	6.5	50
	CHSR3-12	13.0	3.4	19.2	45.5	23.5	6.5	50

Insulated heat shrinkable fork terminals



Heat shrinkable fork terminals: 0.5 - 6.0mm²

Wire range awg/ mm²	Part number	Stud size d2 (mm)	Dimensions (mm)					Pack qty
			D1	B	L	E	D	
22-16/ 0.5-1.5mm² RED	CHSF1-3.5	3.7	1.7	6.4	25.5	18.5	4.5	100
	CHSF1-4	4.3	1.7	8.0	26.0	18.5	4.5	100
	CHSF1-5	5.3	1.7	8.0	26.0	18.5	4.5	100
16-14/ 1.5-2.5mm² BLUE	CHSF2-3.5	3.7	2.3	8.5	28.5	20.5	5.5	100
	CHSF2-4	4.3	2.3	8.5	27.5	20.5	5.5	100
	CHSF2-5	5.3	2.3	9.5	28.5	20.5	5.5	100
12-10/ 4.0-6.0mm² YELLOW	CHSF3-5	5.3	3.4	9.5	32.5	23.5	6.5	50
	CHSF3-6	6.5	3.4	12.0	39.0	23.5	6.5	50

Insulated heat shrinkable female disconnectors

Heat shrinkable female disconnectors: 0.5 - 6.0mm²

Wire range awg/mm²	Part number	Dimensions (mm)						For tab thickness /width	Pack qty
		D1	B	L	F	E	D		
22-16/0.5-1.5mm² RED	CHSPO1-6.3F	1.7	6.6	36.0	7.9	26.5	4.5	0.8/6.4	100
16-14/1.5-2.5mm² BLUE	CHSPO2-6.3F	2.3	6.6	36.0	7.9	26.5	5.5	0.8/6.4	100
12-10/4.0-6.0mm² YELLOW	CHSPO3-6.3F	3.4	6.6	36.0	7.9	26.5	6.5	0.8/6.4	50

Insulated heat shrinkable male disconnectors

Heat shrinkable male disconnectors: 0.5 - 6.0mm²

Wire range awg/mm²	Part number	Dimensions (mm)						Thickness/ width tab	Pack qty
		D1	B	L	F	E	D		
22-16/0.5-1.5mm² RED	CHSPOM1-6.3F	1.7	6.4	36.0	7.9	26.5	4.5	0.8/6.4	100
16-14/1.5-2.5mm² BLUE	CHSPOM2-6.3F	2.3	6.4	36.0	7.9	26.5	5.5	0.8/6.4	100
12-10/4.0-6.0mm² YELLOW	CHSPOM3-6.3F	3.4	6.4	36.0	7.9	26.5	8.0	0.8/6.4	50

Fully insulated heat shrinkable female disconnectors

Heat shrinkable female disconnectors: 0.5 - 6.0mm²

Wire range awg/mm²	Part number	Dimensions (mm)						For tab thickness/ width	Pack qty
		D1	B	L	F	E	D		
22-16/0.5-1.5mm² RED	CHSFPO1-6.3F	1.7	6.6	28.0	7.9	18.0	4.5	0.8/6.4	100
16-14/1.5-2.5mm² BLUE	CHSFPO2-6.3F	2.3	6.6	28.0	7.9	18.0	5.5	0.8/6.4	50
12-10/4.0-6.0mm² YELLOW	CHSFPO3-6.3F	3.4	6.6	28.0	7.9	18.0	8.0	0.8/6.4	50

Quick splices

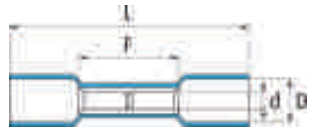
Quick Splices are insulated with Polypropylene material, and tin plated for excellent conductivity and resistance to corrosion. They have a maximum temperature of 105˚C with a maximum electrical rating of 600 Volts.

Quick splices 0.5 - 6 mm²

Colour/ Wire Ø mm²	Part number	Dimensions (mm)			Pack quantity
		L	B	Height (mm)	
0.5-1.5 RED	SCOTCHLOCK 1	25.0	20.0	8.0	100
1.5-2.5 BLUE	SCOTCHLOCK 2	25.0	20.0	8.0	100
4-6 YELLOW	SCOTCHLOCK 3	35.0	20.0	11.0	100

Heatshrink splices

Heat shrinkable splices provide a long lasting environmental seal. Made of a butt connector forming one piece, with a cut piece of adhesive clear polyolefin heatshrink tube. The polymer used in the production of the heatshrink tube is specially adapted to be crimped.



SPECIFICATION

Minimum shrink temperature +150˚C

Continuous operating temperature -55˚C to 105˚C

Tensile strength 22.5 MPa

Elongation at break 553

Heat shocks (225˚C x 4 hours) No cracking

Heat ageing (175˚C x 168 hours) No crack, flowing or dipping of outer wall

Dielectric strength 12nkV/mm

Chemical resistance Fluid resistance 23˚C x 24 hours, good.

Standards RoHS 2 compliant

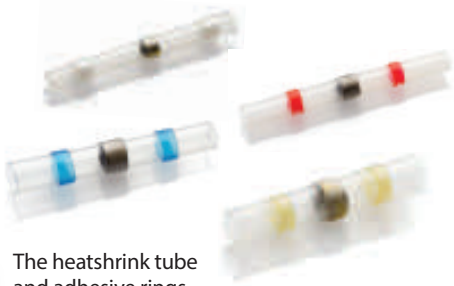
Heatshrink splices 0.5 - 6 mm²

Colour/ Wire Ø mm²	Part number	Dimensions (mm)				Pack quantity
		L	F	D	d	
0.5-1.5 RED	CHSB1	35.0	15.0	4.5	1.7	50
1.5-2.5 BLUE	CHSB2	37.0	15.0	5.5	2.3	50
4-6 YELLOW	CHSB3	41.0	15.0	6.5	3.6	25

SolderSleeve heat shrinkable splices

SolderSleeve splices insulate, provide strain relief and protect terminations from environmental damage, in a wide range of applications at operating temperatures ranging from -125˚C to +200˚C. They consist of a heat shrinkable sleeve and a pre-measured, fluxed solder band. When heated, the tubing heats and the solder melts creating reliable insulated terminations.

Soldersleeve heat shrinkable splices		
Wire range awg/mm²	Part number	Pack quantity
38-28/0.1-0.5mm² WHITE	CSSBC1	10
22-18/0.5-1.5mm² RED	CSSBC2	25
16-14/1.5-2.5mm² BLUE	CSSBC3	25
12-10/3.2-6.0mm² YELLOW	CSSBC4	10



The heatshrink tube and adhesive rings provide a seal resistant to water and other contaminants. The translucent heatshrink allows for visual inspection of the connection.

SPECIFICATIONS

Colour options White, red, blue, yellow
Operating temperature range -55˚C to +125˚C
Standards RoHS 2 compliant

Push-in wire connectors 3 & 5 pole

The new range of piano key push-in wire connectors are ideal for a quick, reliable, easy and convenient method for installing cable conductors in a range of electrical wiring applications.

- Quick release
- Can be applied without the need for any tools
- For use on solid and stranded flexible conductors
- Easy to use - strip and insert into the connector

Push-in wire connectors		
Part number	Poles	Pack quantity
CCB222-3	3	1
CCB222-5	5	1

SPECIFICATIONS

Connection capabilities 3 & 5 poles
Wire cross section (mm²) 0.75-2.50
Cable types Rigid and flexible wires
Operation voltage 400V AC
Operation temperature range -30˚C to +110˚C
Flammability class V0 According UL 94
Contact material Electrolytic copper
Spring material Hardened steel
Standards EN 60998-1, EN 60998-2

Stud size comparison chart

Stud size to scale	Imperial Inches	Metric mm	Hole dia. Inches	Hole dia. mm
	.060		.087	
	.073	2	.087	2.2
	.086	2.6	.087	
	.099		.126	
	.112	3	.126	3.2
	.125		.126	
	.138	3.5	.146	3.7
	.164	4	.169	4.3
	.190	5	.209	5.3
	.216	6	.252	6.4
	.242		.252	
	.250		.252	
	.312	8	21/64	8.4
	.375	9	12/32	9.8
		10	13/32	10.5
	.437	10	29/64	11.5
	.500	12	33/64	13.0
	.625	16	22/32	17.0
	.750	19	51/64	20.0
		20	53/64	21.0

All sizes shown to scale.

CONNECT
Uninsulated copper brazed sheet terminals

CTT GOOD CRIMPING GUIDE

Uninsulated copper brazed sheet terminals

Our step-by-step guide to creating the perfect crimp with the wire in the correct position, avoiding loose strands and poor conductor insertion.

What is crimping?

The term crimping means to press, make an impression, fold or even deform by folding. In electrical installation the term crimping is used to describe the mechanical compression of a sleeve around a conductor to make a firm mechanical connection between the conductor and the connector.

HOW TO ACHIEVE THE PERFECT CRIMP

Select correct tool and die

First select the correct crimping tool from the comprehensive Cablecraft range of tooling.

Assembly

Assemble the terminal to the wire and insert between the crimping die so that the indenter aligns with the brazed seam and is also central to the length of the barrel.

Most conductors will be a loose fit in the terminal barrel, particularly solid and rigid stranded types - this is intentional and is part of the terminal design. Do not exceed the terminal capacity by unnecessarily filling the barrel.

Multiple stranded flexible conductors will usually be a snug fit and will crimp satisfactorily using the same die as for other conductors of the same cross section.

Check again that the size markings on the terminals and crimping die are correct.

Crimp

When using hand or hydraulic tools, it is usually possible to lightly grip the terminal between the die to facilitate assembly. Continue crimping until completion of the full crimping cycle, indicated by:

Hand Tools - Release of ratchet

Hydraulic Tools - Operation of pressure relief valve and sight of red line on piston.

Pneumatic Tools - Full closure of die.

Inspect

The completed crimp should look like the first two examples. Following these, are examples of bad practice.

A Wire seen in correct position through site hole.

B Correct die reference embossed upon crimp area relates to terminal reference and wire size.

CRIMPED CORRECTLY

CRIMPED TOO NEAR THE PALM

CONDUCTOR NOT SHOWING FROM BARREL

CONDUCTOR NOT FULLY INSERTED

TWO CRIMPS OVERLAPPING

CONDUCTOR DAMAGED

LOOSE STRANDS NOT CRIMPED

Crimping course

A full product and crimp training programme is now available at Cablecraft-CTT. Below is an outline of what is covered in the course. If you are interested in more information about our training programme please contact us or email:
technical@cablecraft.co.uk

Course content

Crimping systems
An explanation as to the necessity of combining the six elements involved in achieving high quality electrical connections:

- **Appreciation of crimping equipment**
- **Operation & maintenance of crimping tools**
- **Practical application of crimping tools**
- **Gauging & calibration**
- **Evaluation of crimp joint standards**
  Covers the visual appreciation of the completed joints and should incorporate a brief explanation of tensile testing and volt drop testing.
- **Health & safety aspect**
  Covers operator procedures and tooling guards.

On completion of the training programme, you will receive a certificate.

Uninsulated copper brazed sheet crimp terminals

Cablecraft's range contains sizes for cables from 0.5mm² - 6mm² and stud sizes from 2.2mm to 10.5mm. They maintain strength during the crimping cycle, and are electro tin plated for maximum corrosion resistance and conductivity.

Uninsulated fork terminals

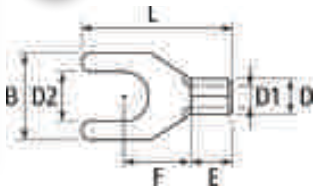
SPECIFICATIONS

Material Oxygen-free, high conductivity copper sheet with high ductility silver alloy brazing.

Approvals UL approved E211389, RoHS 2

600 volts

Maximum temperature 75˚C



Uninsulated fork terminals

Wire Ø mm²	Max. elect. rating (A)	Part number	Stud size D2 (mm)	Dimensions (mm)						Pack qty
				B	L	F	E	D	D1	
0.5 - 1.5	19	CF1-3N	3.2	5.0	16.0	6.3	5.0	3.4	1.7	100
	19	CF1-3	3.2	5.8	16.0	6.3	5.0	3.4	1.7	100
	19	CF1-3.5	3.7	5.8	16.0	6.3	5.0	3.4	1.7	100
	19	CF1-4	4.3	6.4	15.6	6.3	5.0	3.4	1.7	100
	19	CF1-5	5.3	8.0	16.0	7.0	5.0	3.4	1.7	100
1.5 - 2.5	27	CF2-3N	3.2	5.0	16.0	6.3	5.0	4.1	2.3	100
	27	CF2-3	3.2	5.8	16.0	6.3	5.0	4.1	2.3	100
	27	CF2-3.5	3.7	6.4	16.0	6.3	5.0	4.1	2.3	100
	27	CF2-4	4.3	6.4	16.0	6.3	5.0	4.1	2.3	100
	27	CF2-5	5.3	8.5	17.0	7.3	5.0	4.1	2.3	100
4 - 6	48	CF3-3.5	3.7	7.2	18.7	7.5	6.0	5.6	3.4	50
	48	CF3-4	4.3	8.5	18.7	7.5	6.0	5.6	3.4	50
	48	CF3-5	5.3	9.5	18.7	7.5	6.0	5.6	3.4	50
	48	CF3-6	6.5	12.0	24.7	12.0	6.0	5.6	3.4	50

Uninsulated ring terminals

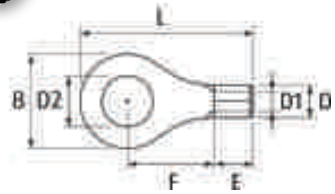
SPECIFICATIONS

Material Oxygen-free, high conductivity copper sheet with high ductility silver alloy brazing.

Approvals UL approved E211389, RoHS 2

600 volts

Maximum temperature 75˚C



Uninsulated ring terminals

Wire Ø mm²	Max. elect. rating (A)	Part no.	Stud size D2 (mm)	Dimensions (mm)						Pack qty
				B	L	F	E	D	D1	
0.5 - 1.5	19	CR1-2	2.2	6.6	14.6	6.3	5.0	3.4	1.7	100
	19	CR1-3	3.2	5.5	11.7	4.0	5.0	3.4	1.7	100
	19	CR1-3.5	3.7	5.5	11.7	4.0	5.0	3.4	1.7	100
	19	CR1-3.5L	3.7	6.6	14.6	6.3	5.0	3.4	1.7	100
	19	CR1-4	4.3	6.6	14.6	6.3	5.0	3.4	1.7	100
	19	CR1-4L	4.3	8.0	16.0	7.0	5.0	3.4	1.7	100
	19	CR1-5	5.3	8.0	16.0	7.0	5.0	3.4	1.7	100
	19	CR1-6	6.5	11.6	21.8	11.1	5.0	3.4	1.7	100
	19	CR1-8	8.4	11.6	21.8	11.1	5.0	3.4	1.7	100
1.5 - 2.5	27	CR2-3	3.2	6.4	12.5	4.3	5.0	4.1	2.3	100
	27	CR2-3.5	3.7	6.4	12.5	4.3	5.0	4.1	2.3	100
	27	CR2-3.5L	3.7	6.6	14.5	6.3	5.0	4.1	2.3	100
	27	CR2-4	4.3	6.6	14.5	6.3	5.0	4.1	2.3	100
	27	CR2-5	5.3	8.5	17.0	7.8	5.0	4.1	2.3	100
	27	CR2-6	6.5	12.0	22.0	11.0	5.0	4.1	2.3	100
	27	CR2-8	8.4	12.0	22.0	11.0	5.0	4.1	2.3	100
	27	CR2-10	10.5	13.6	25.7	13.9	5.0	4.1	2.3	100
4 - 6	48	CR3-3.5	3.7	7.2	15.5	5.9	6.0	5.6	3.4	50
	48	CR3-4	4.3	7.2	15.5	5.9	6.0	5.6	3.4	50
	48	CR3-4L	4.3	9.5	19.0	8.3	6.0	5.6	3.4	50
	48	CR3-5	5.3	9.5	19.0	8.3	6.0	5.6	3.4	50
	48	CR3-6	6.5	12.0	22.5	10.5	6.0	5.6	3.4	50
	48	CR3-8	8.4	15.0	27.2	13.7	6.0	5.6	3.4	50
	48	CR3-10	10.5	15.0	27.2	13.7	6.0	5.6	3.4	50

Uninsulated pin terminals

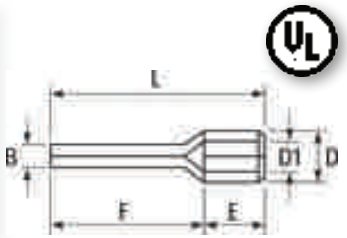
SPECIFICATIONS

Material Oxygen-free, high conductivity copper sheet with high ductility silver alloy brazing.

Approvals UL approved E211389, RoHS 2

600 volts

Maximum temperature 75˚C



Uninsulated pin terminals

Wire Ø mm²	Max. elect. rating (A)	Part number	Dimensions (mm)						Pack quantity
			B	L	F	E	D	D1	
0.5 - 1.5	19	CP1-10	1.9	15.5	10.5	5.0	3.4	1.7	100
	19	CP1-12	1.9	17.5	12.5	5.0	3.4	1.7	100
1.5 - 2.5	27	CP2-10	1.9	15.5	10.5	5.0	4.1	2.3	100
	27	CP2-12	1.9	17.5	12.5	5.0	4.1	2.3	100
4 - 6	48	CP3-14	2.8	20.0	14.0	6.0	5.6	3.4	50

Uninsulated blade terminals

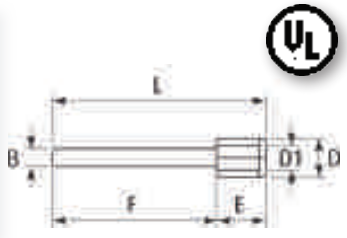
SPECIFICATIONS

Material Oxygen-free, high conductivity copper sheet with high ductility silver alloy brazing.

Approvals UL approved E211389, RoHS 2

600 volts

Maximum temperature 75˚C



Uninsulated blade terminals

Wire Ø mm²	Max. elect. rating (A)	Part number	Dimensions (mm)						Pack quantity
			B	L	F	E	D	D1	
0.5 - 1.5	19	CB1-10	2.2	15.5	10.5	5.0	3.4	1.7	100
	19	CB1-14	3.0	19.0	14.0	5.0	3.4	1.7	100
	19	CB1-18	2.2	23.0	18.0	5.0	3.4	1.7	100
1.5 - 2.5	27	CB2-10	2.2	15.5	10.5	5.0	4.1	2.3	100
	27	CB2-18	2.2	23.0	18.0	5.0	4.1	2.3	100
4 - 6	48	CB3-10	2.8	16.5	10.5	6.0	5.6	3.4	50
	48	CB3-18	3.0	24.0	18.0	6.0	5.6	3.4	50

Uninsulated terminal crimping tools

Cablecraft calibration service p.331

Terminal sizes 0.5mm² to 16mm² may be successfully and accurately crimped using Cablecraft's matched range of tooling, offering a solution for every application.

Cablecraft Rennsteig 624 032 3 For uninsulated terminals

This robust, reliable and easy to use crimping tool offers high performance and consistent crimping accuracy for uninsulated terminals from 0.5mm² - 10mm². Crimp performance complies with BS and International standards.

Part number	Tool length (mm)	For size (mm²)
RENN624 032 3	200	0.5 - 10

Cablecraft Rennsteig 619 032 3 For uninsulated terminals

This lightweight, high performance tool is easy to use, ideal for crimping uninsulated terminals from 0.5mm² to 10mm². Crimp performance complies with BS and International standards.

Part number	Tool length (mm)	For size (mm²)
RENN619 032 3	215	0.5 - 10

Cablecraft CRT 1.5-10 & CRT 2.5-16 For uninsulated terminals

The CRT 1.5-10 is a hand ratchet tool with a single cast multi-die head and is suitable for uninsulated terminals from 1.5mm² to 10mm². The CRT 2.5-16 is also a hand ratchet tool with a single cast multi-die head and is suitable for uninsulated terminals from 2.5mm² to 16mm².

Part number	Tool length (mm)	For size (mm²)
CRT1.5-10	230	1.5 - 10
CRT 2.5 - 16	230	2.5 - 16

Uninsulated receptacles and PVC insulating covers for straight receptacles

Uninsulated receptacles are ideal for wires from 0.25mm² to 6.0mm². PVC insulating covers are for use with uninsulated female push-on terminals. See opposite for compatible tool, CRT 123F.

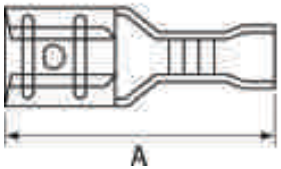
SPECIFICATIONS

Material Brass, tin plated

Approvals UL approved E211389, RoHS 2

300 volts

Maximum temperature 75˚C



Uninsulated receptacles						PVC insulating covers	
Wire Ø mm²	Part number	Width x tab (mm)	Dimensions (mm) A	Dimensions (mm) B	Pack quantity	Part number	Pack quantity
0.25 - 1.5	CPO1-2.8	2.8 x 0.5	16.0	5.0	100	CI10	100
	CPO1-2.8X	2.8 x 0.8	16.0	5.0	100	–	–
	CPO1-4.8	4.8 x 0.5	16.0	6.0	100	CI11	100
	CPO1-4.8X	4.8 x 0.8	16.0	6.0	100	–	–
	CPO1-6.3	6.3 x 0.8	19.0	7.5	100	CI12	100
1.5 - 2.5	CPO2-4.8	4.8 x 0.5	16.0	6.0	100	CI11	100
	CPO2-4.8X	4.8 x 0.8	16.0	6.0	100	–	–
	CPO2-6.3	6.3 x 0.8	19.5	7.5	100	CI12	100
4 - 6	CPO3-6.3	6.3 x 0.8	19.0	7.5	50	*CI15	100
	CPO3-9.5	9.5 x 1.2	25.0	12.0	50	CI13	100

*Double cable entry

Uninsulated terminal crimping tool for receptacles

Cablecraft CRT 123F For uninsulated terminals

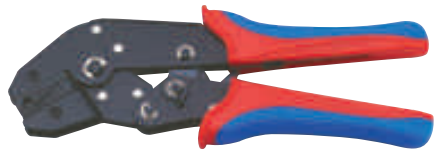
This hand ratchet tool with a single cast multi-die head is suitable for uninsulated terminals from 0.5mm² - 6.0mm² with 'F' type crimp configuration.

Part number	Tool length (mm)	For size (mm²)
CRT 123F	230	0.5 - 6.0

Uninsulated terminal crimping tool for 90˚ flag terminals

Cablecraft CRT 123UF1 For uninsulated terminals

This hand ratchet tool with a single cast multi-die head is suitable for uninsulated flag terminals from 0.5mm² - 1.0mm², suitable for 90˚ flag terminals.



Part number	Tool length (mm)	For size (mm²)
CRT 123UF1	230	0.5 - 1.0

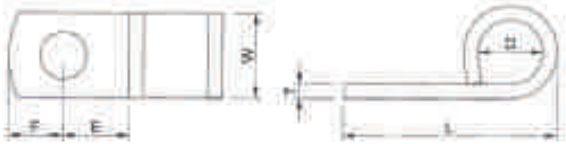
Cablecraft CRT 123UF For uninsulated terminals

This hand ratchet tool with a single cast multi-die head is suitable for uninsulated flag terminals from 1.5mm² - 2.5mm², suitable for 90˚ flag terminals.

Part number	Tool length (mm)	For size (mm²)
CRT 123UF	230	1.5- 2.5

Flag terminals

Cablecraft's range contains sizes for cables from 10mm² - 70mm² and stud sizes from 5.0mm to 12.0mm. They maintain strength during the crimping cycle, and are electro-tin plated for maximum corrosion resistance and conductivity.
For a suitable tool, CRT 25, go to page 323.



SPECIFICATIONS

Material Electrolytic copper, electro-tin plated
600 volts **Max. temp** 75˚C
Standards RoHS 2 compliant

Uninsulated flag terminals

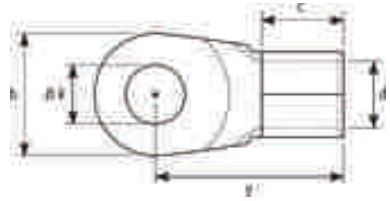
Cable size	Part number	Stud size (mm)	Dimensions (mm)						Pack quantity
			L	W	T	F	E	D	
10	CCT10-5 FT	5	27.0	12.7	1.6	7.9	10.7	4.8	1
	CCT10-6 FT	6	27.0	12.7	1.6	7.9	10.7	4.8	1
	CCT10-8 FT	8	27.0	12.7	1.6	7.9	10.7	4.8	1
	CCT10-10 FT	10	37.0	15.9	1.6	7.9	10.7	4.8	1
16	CCT16-5 FT	5	28.0	12.7	1.6	7.9	10.7	6.0	1
	CCT16-6 FT	6	28.0	12.7	1.6	7.9	10.7	6.0	1
	CCT16-8 FT	8	28.0	12.7	1.6	7.9	10.7	6.0	1
	CCT16-10 FT	10	38.0	15.9	1.6	7.9	10.7	6.0	1
25	CCT25-5 FT	5	31.0	12.7	1.6	7.9	11.9	7.6	1
	CCT25-6 FT	6	31.0	12.7	1.6	7.9	11.9	7.6	1
	CCT25-8 FT	8	31.0	12.7	1.6	7.9	11.9	7.6	1
	CCT25-10 FT	10	41.0	15.9	1.6	7.9	11.9	7.6	1
35	CCT35-5 FT	5	32.0	12.7	1.6	7.9	11.9	8.4	1
	CCT35-6 FT	6	32.0	12.7	1.6	7.9	11.9	8.4	1
	CCT35-8 FT	8	32.0	12.7	1.6	7.9	11.9	8.4	1
	CCT35-10 FT	10	32.0	15.9	1.6	7.9	11.9	8.4	1
	CCT35-12 FT	12	32.0	15.9	1.6	7.9	11.9	8.4	1
50	CCT50-5 FT	5	33.0	15.9	1.6	7.9	11.9	9.5	1
	CCT50-6 FT	6	33.0	15.9	1.6	7.9	11.9	9.5	1
	CCT50-8 FT	8	33.0	15.9	1.6	7.9	11.9	9.5	1
	CCT50-10 FT	10	41.0	15.9	1.6	7.9	21.0	9.5	1
70	CCT70-5 FT	5	44.7	15.9	1.6	7.9	22.5	11.5	1
	CCT70-6 FT	6	44.7	15.9	1.6	7.9	22.5	11.5	1
	CCT70-8 FT	8	44.7	15.9	1.6	7.9	22.5	11.5	1
	CCT70-10 FT	10	52.7	15.9	1.6	7.9	31.0	11.5	1

Uninsulated sheet terminals

Cablecraft's range contains sizes for cables from 10mm² to 95mm² and stud sizes from 4mm to 16.0mm. They maintain strength during the crimping cycle, and are electro-tin plated for maximum corrosion resistance and conductivity.

SPECIFICATIONS

Material Electrolytic copper, electro-tin plated
600 volts
Maximum temperature
Heat resistant up to +125˚C
Standards
RoHS 2 compliant, DIN 46234 compliant



Uninsulated sheet terminals

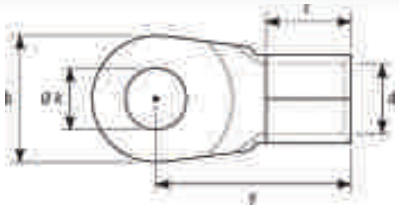
Cable size mm²	Max. elect. rating (A)	Part number	Stud size D2 (mm)	Dimensions (mm)					Pack quantity
				d	y	b	c	Øk	
10	70	CST10-4	4	4.5	16.0	10.0	8.0	4.3	1
	70	CST10-5	5	4.5	16.0	10.0	8.0	5.3	1
	70	CST10-6	6	4.5	17.0	11.0	8.0	6.5	1
	70	CST10-8	8	4.5	20.0	14.0	8.0	8.4	1
	70	CST10-10	10	4.5	21.0	18.0	8.0	10.5	1
	70	CST10-12	12	4.5	23.0	22.0	8.0	13.0	1
16	95	CST16-5	5	5.8	20.0	11.0	10.0	5.3	1
	95	CST16-6	6	5.8	20.0	11.0	10.0	6.5	1
	95	CST16-8	8	5.8	22.0	14.0	10.0	8.4	1
	95	CST16-10	10	5.8	24.0	18.0	10.0	10.5	1
	95	CST16-12	12	5.8	26.0	22.0	10.0	13.0	1
25	125	CST25-5	5	7.5	25.0	12.0	11.0	5.3	1
	125	CST25-6	6	7.5	25.0	12.0	11.0	6.5	1
	125	CST25-8	8	7.5	25.0	16.0	11.0	8.4	1
	125	CST25-10	10	7.5	26.0	18.0	11.0	10.5	1
	125	CST25-12	12	7.5	31.0	22.0	11.0	13.0	1
	125	CST25-14	14	7.5	31.0	22.0	11.0	15.0	1
	125	CST25-16	16	7.5	35.0	28.0	11.0	17.0	1

CONTINUED OVERLEAF ➤

Uninsulated sheet terminals continued

SPECIFICATIONS

Material Electrolytic copper, electro-tin plated
600 volts
Maximum temperature Heat resistant up to +125˚C
Standards RoHS 2 compliant, DIN 46234 compliant



Uninsulated sheet terminals

Cable size*	Max. elect. rating (A)	Part no.	Stud size D2 (mm)	Dimensions (mm)					Pack quantity
				d	y	b	c	Øk	
35	170	CST35-6	6	9.0	26.0	15.0	12.0	6.5	1
	170	CST35-8	8	9.0	26.0	16.0	12.0	8.4	1
	170	CST35-10	10	9.0	27.0	18.0	12.0	10.5	1
	170	CST35-12	12	9.0	31.0	22.0	12.0	13.0	1
	170	CST35-14	14	9.0	31.0	22.0	12.0	15.0	1
	170	CST35-16	16	9.0	35.0	28.0	12.0	17.0	1
50	230	CST50-6	6	11.0	34.0	18.0	16.0	6.5	1
	230	CST50-8	8	11.0	34.0	18.0	16.0	8.4	1
	230	CST50-10	10	11.0	34.0	18.0	16.0	10.5	1
	230	CST50-12	12	11.0	36.0	22.0	16.0	13.0	1
	230	CST50-14	14	11.0	36.0	22.0	16.0	15.0	1
	230	CST50-16	16	11.0	40.0	22.0	16.0	17.0	1
70	265	CST70-8	8	13.0	38.0	22.0	18.0	8.4	1
	265	CST70-10	10	13.0	38.0	22.0	18.0	10.5	1
	265	CST70-12	12	13.0	38.0	22.0	18.0	13.0	1
	265	CST70-14	14	13.0	38.0	22.0	18.0	15.0	1
	265	CST70-16	16	13.0	42.0	28.0	18.0	17.0	1
95	310	CST95-10	10	15.0	42.0	24.0	20.0	10.5	1
	310	CST95-12	12	15.0	42.0	24.0	20.0	13.0	1
	310	CST95-14	14	15.0	42.0	24.0	20.0	15.0	1
	310	CST95-16	16	15.0	44.0	28.0	20.0	17.0	1

Larger sizes to 300mm² can be supplied. Please contact our sales department.

Uninsulated terminal crimping tools

Terminal sizes 0.5mm² to 16mm² may be successfully and accurately crimped using Cablecraft's matched range of tooling, offering a solution for every application.

Cablecraft calibration service p.331

Cablecraft CRT 1.5-10 & CRT 2.5-16 For uninsulated terminals

The CRT 1.5-10 is a hand ratchet tool with a single cast multi-die head and is suitable for uninsulated terminals from 1.5mm² to 10mm². The CRT 2.5-16 is also a hand ratchet tool with a single cast multi-die head and is suitable for uninsulated terminals from 2.5mm² to 16mm².

Part number	Tool length (mm)	For size (mm²)
CRT 1.5 - 10	230	1.5 - 10
CRT 2.5 - 16	230	2.5 - 16

Cablecraft Rennsteig 619 032 3 For uninsulated terminals

This lightweight, high performance tool is easy to use, ideal for crimping uninsulated terminals from 0.5mm² to 10mm². Crimp performance complies with BS and International standards.

Part number	Tool length (mm)	For size (mm²)
RENN619 032 3	215	0.5 - 10

Cablecraft Rennsteig 624 032 3 For uninsulated terminals

This robust, reliable and easy to use crimping tool offers high performance and consistent crimping accuracy for uninsulated terminals from 0.5mm² - 10mm². Crimp performance complies with BS and International standards.

Part number	Tool length (mm)	For size (mm²)
RENN624 032 3	200	0.5 - 10

CONNECT
Tools for uninsulated copper brazed sheet terminals

CTT Crimping solutions

Uninsulated terminal crimping tools continued

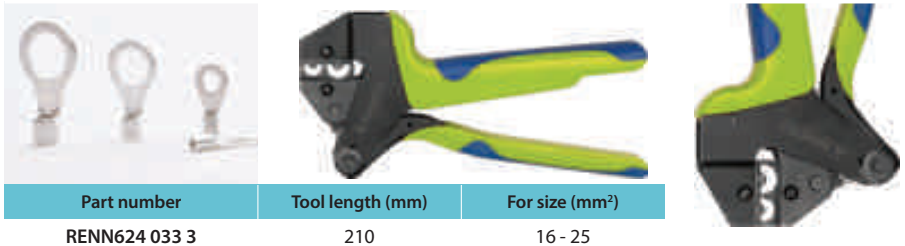
Cablecraft CRT 10-16 For uninsulated copper brazed sheet terminals

Ratchet tool for crimping copper tube and sheet terminals from 10mm² - 16mm².

Part number	Tool length (mm)	For size (mm²)
CRT 10 - 16	250	10 - 16

Cablecraft Rennsteig 624 033 3 For uninsulated terminals

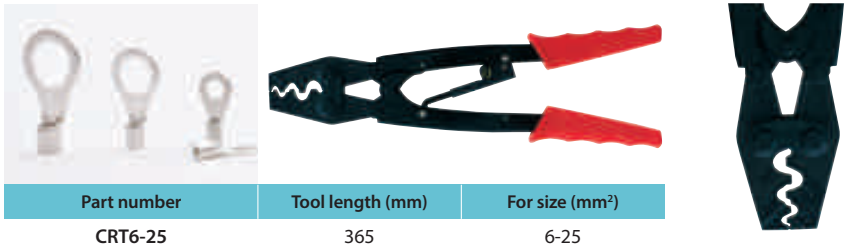
Lightweight, robust ratchet tool for accurate crimping of copper tube and sheet terminals from 16mm² - 25mm². Crimp performance complies with BS and International standards.



Part number	Tool length (mm)	For size (mm²)
RENN624 033 3	210	16 - 25

Cablecraft CRT 6-25 For uninsulated terminals

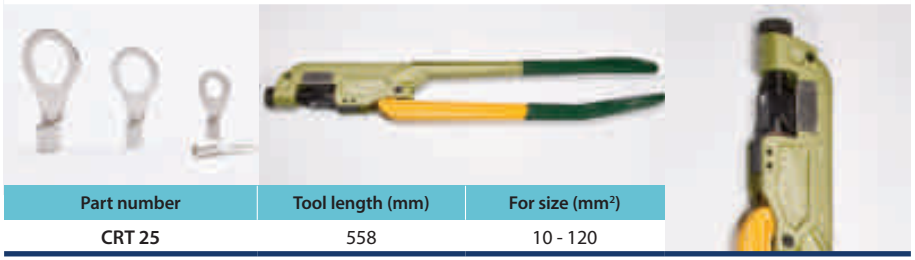
This copper tube ratchet tool is ideal for crimping uninsulated copper tube terminals from 6.0mm² to 25.0mm².



Part number	Tool length (mm)	For size (mm²)
CRT6-25	365	6-25

Cablecraft CRT 25 For uninsulated terminals

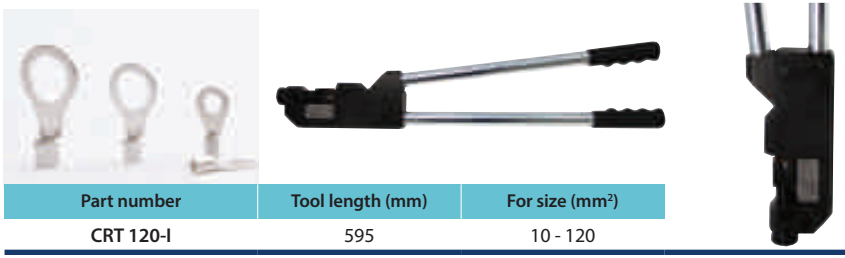
Hand tool for indent crimping copper tube and sheet terminals from 10mm² - 120mm².



Part number	Tool length (mm)	For size (mm²)
CRT 25	558	10 - 120

Cablecraft CRT 120-I For uninsulated terminals

Hand tool for deep indent crimping copper tube and sheet terminals from 10mm² - 120mm².



Part number	Tool length (mm)	For size (mm²)
CRT 120-I	595	10 - 120

CONNECT
Copper tube terminals

Copper tube terminals

Crimp connections have, to a large extent, replaced soldered connections and have proven extremely suitable for the task since they have been in use. They can only be used, however, if they satisfy all necessary BS EN approvals. The pre-requisite for this is that the conductor, contact, crimping tool and tool setting are all co-ordinated.

What is crimping?

The term crimping means to press, make an impression, fold or even deform by folding. In electrical installation the term crimping is used to describe the mechanical compression of a sleeve around a conductor to make a firm mechanical connection between the conductor and the connector.

HOW TO ACHIEVE THE PERFECT CRIMP

Achieving the perfect crimp is easy when using a well maintained tool matched to the terminal to be applied. The completed crimp should look like the first two examples. Following these are examples of bad practice.

A Wire seen in correct position through site hole.

B Correct die reference embossed upon crimp area relates to terminal reference and wire size.

CRIMPED CORRECTLY

CRIMPED TOO NEAR THE PALM

CRIMPED TOO FAR FROM THE PALM

CONDUCTOR NOT FULLY INSERTED

TWO CRIMPS OVERLAPPING

CONDUCTOR DAMAGED

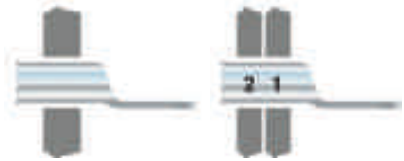
LOOSE STRANDS NOT CRIMPED

Select correct tool and die

First select the correct crimping tool from the comprehensive Cablecraft range of tooling. The range includes heavy duty, ratchet and hydraulic options. Then select the correct die: use only matched die marked with terminal wire size. Fit die to tool ensuring that both die have the same size crimp cavities.

Assembly

Insert wire into terminal - with hand tools it may be convenient to grip the terminal lightly while doing so. Check tool instructions for whether one or two crimps are required and position the terminal between die as shown. For double crimps - crimp in order 1, 2, etc.



Crimp

Operate the tool until full crimp pressure is achieved. This will be shown by operation of the pressure relief valve and closure of the die faces. Refer to the tool manual for more details. Operate the pressure relief valve and remove the crimped terminal. Repeat the process if two or more crimps are required.

Crimping course

A full product and crimp training programme is now available at Cablecraft-CTT. Below is an outline of what is covered in the course. If you are interested in more information about our training programme please contact us or email:
technical@cablecraft.co.uk

Course content

Crimping systems
An explanation as to the necessity of combining the six elements involved in achieving high quality electrical connections:

- **Appreciation of crimping equipment**
- **Operation & maintenance of crimping tools**
- **Practical application of crimping tools**
- **Gauging & calibration**
- **Evaluation of crimp joint standards**
  Covers the visual appreciation of the completed joints and should incorporate a brief explanation of tensile testing and volt drop testing.
- **Health & safety aspect**
  Covers operator procedures and tooling guards.

On completion of the training programme, you will receive a certificate.

Copper tube terminals

The following pages feature our comprehensive range of copper tube terminals. From our high quality standard range to those designed for particular applications or harsh environments.

Copper terminals Features and services

Temperature rating

Tin-plated copper tube terminals
In general, tin-plated copper compression terminals, installed on an appropriate copper conductor and under normal conditions of use, are rated in the industry for use up to 149°C (300°F) actual operating temperature.

In typical applications with 75-90°C (167-194°F) rated cabling systems, the terminals will normally experience a moderate temperature rise (due to self heating because of their own resistance) when carrying normal rated amperage.

With correct selection and sizing, proper installation (cleanliness, compression, bolt-down torque, etc) and under normal usage conditions (amperage, ambient temperature, pad conductivity, cleanliness etc) the resulting operational terminal temperature will remain well below the 149 °C (300 °F) capability of standard tin-plated copper compression terminals.

Nickel plated copper terminals
Nickel-plated copper terminals are rated up to 343°C (650°F).

Silver plating by Cablecraft

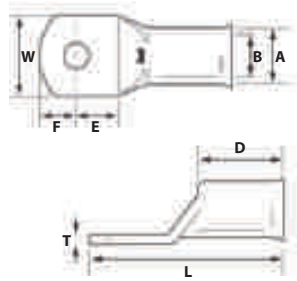
The low resistivity of silver (c. 5% better than copper) and its benign surface oxides combine to make silver an ideal coating for electrical contact surfaces on bus-bars and terminations. Silver is also very compatible with copper and will not affect the resistivity of copper if diffusion occurs as a result of periodic high temperatures. Tin and nickel on the other hand can cause damaging changes to copper in this situation. Silver remains the current-bearing contact surface of choice for contacts and terminations in heavy-duty switchgear and precision instrumentation.

For more information contact:
technical@cablecraft.co.uk

Copper tube terminals - Standard range

Standard copper tube terminals are manufactured from seamless copper tube to BS EN 12449: 1999.

All terminals are provided with an inspection hole to ensure the conductor is fully inserted before crimping. A bell mouth also ensures a smooth transition from lug to cable, thus avoiding the problems of chafing where the component is subject to vibration. The internal barrel diameters suit standard cables as defined in BS6360. All Cablecraft terminals fully comply with BS EN 61238-1-2003 and BS 4579 bright electro tin plating to BS 1872: 1974.



SPECIFICATIONS

Material
Seamless copper tube to BSEN 12449: 1999

Approvals
Terminals comply to BS EN 61238-1-2003 and BS 4579 bright electro tin plating to BS 1872: 1974. RoHS 2 compliant

3.3 Kv

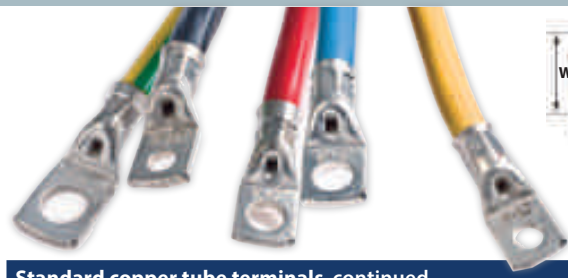
Standard copper tube terminals

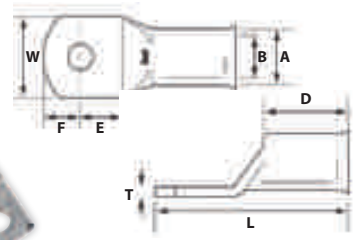
Cable size (mm^2)	Part no.	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
10	CCT10-5	5	6.6	4.4	10.8	5.6	5.2	4.7	26.0	1.7	1
	CCT10-6	6	6.6	4.4	10.8	5.6	5.2	4.7	26.0	1.7	1
	CCT10-8	8	6.6	4.4	13.5	8.0	7.0	4.7	29.5	1.2	1
	CCT10-10	10	6.9	4.4	16.0	12.0	10.0	4.7	39.0	1.5	1
	CCT10-12	12	6.9	4.4	18.0	12.0	10.0	4.7	39.0	1.2	1
	CCT10-BL	-	6.9	4.4	18.0	12.0	10.0	4.7	39.0	1.2	1
16	CCT16-6	6	7.5	5.6	10.8	8.8	6.2	5.5	30.0	2.0	1
	CCT16-8	8	7.5	5.6	13.5	8.0	7.0	5.5	30.0	1.6	1
	CCT16-10	10	7.5	5.6	15.0	10.9	9.6	5.5	35.5	1.5	1
	CCT16-12	12	8.0	5.6	18.0	12.0	10.0	5.5	42.0	1.3	1
	CCT16-BL	-	8.0	5.6	18.0	12.0	10.0	5.5	42.0	1.3	1
25	CCT25-6	6	9.4	7.0	13.8	8.8	6.2	7.0	32.5	2.4	1
	CCT25-8	8	9.4	7.0	13.8	8.0	7.0	7.0	32.5	2.4	1
	CCT25-10	10	9.4	7.0	16.0	10.9	9.6	7.0	38.0	2.1	1
	CCT25-12	12	9.4	7.0	18.0	10.5	10.0	7.0	38.0	1.9	1
	CCT25-BL	-	9.4	7.0	18.0	10.5	10.0	7.0	38.0	1.9	1

CONTINUED OVERLEAF ➤

Standard copper tube terminals continued

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
35	CCT35-6	6	10.6	8.2	15.3	8.8	6.2	8.2	35.0	2.4	1
	CCT35-8	8	10.6	8.2	15.3	8.0	7.0	8.2	35.0	2.4	1
	CCT35-10	10	10.6	8.2	15.3	10.9	9.6	8.2	40.5	2.4	1
	CCT35-12	12	10.6	8.2	18.0	10.5	10.0	8.2	40.5	2.2	1
	CCT35-BL	-	10.6	8.2	18.0	10.5	10.0	8.2	40.5	2.2	1
50	CCT50-6	6	11.9	9.5	17.4	8.8	6.2	9.5	37.0	2.5	1
	CCT50-8	8	11.9	9.5	17.4	8.0	7.0	9.5	37.0	2.5	1
	CCT50-10	10	11.9	9.5	17.4	10.9	9.6	9.5	42.5	2.5	1
	CCT50-12	12	11.9	9.5	17.4	10.9	9.6	9.5	42.5	2.5	1
	CCT50-BL	-	11.9	9.5	17.4	10.5	10.0	9.5	42.5	2.5	1
70	CCT70-6	6	14.5	11.5	20.9	8.8	6.0	11.5	40.5	3.0	1
	CCT70-8	8	14.5	11.5	20.9	8.0	7.0	11.5	46.0	3.0	1
	CCT70-10	10	14.5	11.5	20.9	10.9	9.6	11.5	46.0	3.0	1
	CCT70-12	12	14.5	11.5	20.9	10.5	10.0	11.5	50.0	3.0	1
	CCT70-14	14	14.5	11.5	20.9	13.0	13.0	11.5	50.0	3.0	1
	CCT70-16	16	14.5	11.5	20.9	13.0	13.0	11.5	50.0	3.0	1
	CCT70-BL	-	14.5	11.5	20.9	13.0	13.0	11.5	50.0	3.0	1
95	CCT95-6	6	16.7	13.5	24.3	10.9	9.6	19.0	49.5	3.2	1
	CCT95-8	8	16.7	13.5	24.3	10.9	9.6	19.0	49.5	3.2	1
	CCT95-10	10	16.7	13.5	24.3	10.9	10.0	19.0	49.5	3.2	1
	CCT95-12	12	16.7	13.5	24.3	10.5	10.8	19.0	49.5	3.2	1
	CCT95-14	14	16.7	13.5	24.3	13.0	13.0	19.0	56.0	3.2	1
	CCT95-16	16	16.7	13.5	24.3	13.0	13.0	19.0	56.0	3.2	1
	CCT95-BL	-	16.7	13.5	24.3	13.0	13.0	19.0	56.0	3.2	1
120	CCT120-8	8	19.0	15.0	27.3	14.0	9.6	20.0	55.0	4.0	1
	CCT120-10	10	19.0	15.0	27.3	14.4	9.6	20.0	55.5	4.0	1
	CCT120-12	12	19.0	15.0	27.3	14.0	10.0	20.0	55.5	4.0	1
	CCT120-14	14	19.0	15.0	27.3	13.2	10.8	20.0	55.5	4.0	1
	CCT120-16	16	19.0	15.0	27.3	13.0	13.0	20.0	60.0	4.0	1
	CCT120-BL	-	19.0	15.0	27.3	13.0	13.0	20.0	60.0	4.0	1
150	CCT150-10	10	21.0	16.5	30.2	14.0	10.0	23.0	61.0	4.5	1
	CCT150-12	12	21.0	16.5	30.2	14.0	10.0	23.0	61.0	4.5	1
	CCT150-14	14	21.0	16.5	30.2	13.2	10.8	23.0	61.0	4.5	1
	CCT150-16	16	21.0	16.5	30.2	13.0	13.0	23.0	61.0	4.5	1
	CCT150-BL	-	21.0	16.5	30.2	13.0	13.0	23.0	61.0	4.5	1





Standard copper tube terminals continued

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
185	CCT185-10	10	23.0	18.5	33.3	15.5	9.2	29.0	66.5	4.5	1
	CCT185-12	12	23.0	18.5	33.3	15.5	9.2	29.0	68.0	4.5	1
	CCT185-14	14	23.0	18.5	33.3	15.5	9.2	29.0	68.0	4.5	1
	CCT185-16	16	23.0	18.5	33.3	13.0	13.0	29.0	70.0	4.5	1
	CCT185-BL	-	23.0	18.5	33.3	13.0	13.0	29.0	70.0	4.5	1
240	CCT240-10	10	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
	CCT240-12	12	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
	CCT240-14	14	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
	CCT240-16	16	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
	CCT240-20	20	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
	CCT240-BL	-	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
300	CCT300-10	10	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
	CCT300-12	12	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
	CCT300-14	14	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
	CCT300-16	16	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
	CCT300-20	20	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
	CCT300-BL	-	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
400	CCT400-10	10	32.0	27.0	47.3	22.0	22.0	38.0	108.0	5.0	1
	CCT400-12	12	32.0	27.0	47.3	22.0	22.0	38.0	108.0	5.0	1
	CCT400-14	14	32.0	27.0	47.3	22.0	22.0	38.0	108.0	5.0	1
	CCT400-16	16	32.0	27.0	47.3	22.0	22.0	38.0	108.0	5.0	1
	CCT400-20	20	32.0	27.0	47.3	22.0	22.0	38.0	108.0	5.0	1
	CCT400-BL	-	32.0	27.0	47.3	22.0	22.0	38.0	108.0	5.0	1
500	CCT500-10	10	36.0	30.0	53.0	28.0	24.0	38.0	117.0	6.9	1
	CCT500-12	12	36.0	30.0	53.0	28.0	24.0	38.0	117.0	6.9	1
	CCT500-14	14	36.0	30.0	53.0	28.0	24.0	38.0	117.0	6.9	1
	CCT500-16	16	36.0	30.0	53.0	28.0	24.0	38.0	117.0	6.9	1
	CCT500-20	20	36.0	30.0	53.0	28.0	24.0	38.0	117.0	6.9	1
	CCT500-BL	-	36.0	30.0	53.0	28.0	24.0	38.0	117.0	6.9	1

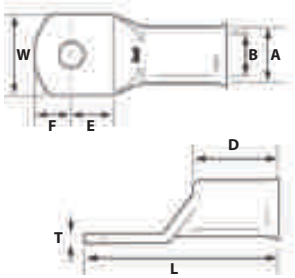
Copper tube terminals - Heavy duty range

Heavy duty copper tube terminals are made from seamless copper tube to BS EN 12449: 1999.

The HD range is designed primarily for compression crimping, onto a variety of European stranded and flexible cables.

When used with the recommended dies and tooling, they will produce a high tensile crimped joint in accordance with: S4G 178 Part 2-1986, BS-EN 60352-2-2006 and LUL E 6487 A2.

Providing the terminals are crimped onto cables, reliable results which satisfy the above standards will be obtained. Guidance Tables are available on request.



SPECIFICATIONS

Material
Seamless copper tube to BSEN 12449: 1999.

Approvals
BS4G 178 Part 2 -1986
RSE/STD 024 PART 7 - Issue A
LUL 5 6487 A2 (London Underground approval), RoHS 2

3.3 Kv

Service temperature
Heat resistant up to 240˚C

Heavy duty copper tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
1.5	CCT1.5-3HD	3	3.6	1.9	5.5	5.0	3.0	7.5	17.0	1.4	1
	CCT1.5-4HD	4	3.6	1.9	6.7	6.0	4.0	7.5	19.5	1.1	1
	CCT1.5-5HD	5	3.6	1.9	7.7	6.5	4.5	7.5	20.4	0.9	1
2.5	CCT2.5-3HD	3	3.9	2.4	5.5	5.0	3.0	7.8	18.0	1.6	1
	CCT2.5-4HD	4	3.9	2.4	6.7	6.0	4.0	7.8	20.0	1.4	1
	CCT2.5-5HD	5	3.9	2.4	7.7	6.9	4.5	7.8	21.2	1.1	1
	CCT2.5-6HD	6	3.9	2.4	9.0	7.5	5.5	7.8	23.0	1.0	1
4	CCT4-4HD	4	4.7	2.8	7.0	6.0	4.0	8.0	20.5	1.7	1
	CCT4-5HD	5	4.7	2.8	8.0	6.4	4.6	8.0	21.5	1.4	1
	CCT4-6HD	6	4.7	2.8	9.0	7.5	5.5	8.0	23.5	1.3	1
6	CCT6-4HD	4	5.3	4.1	7.0	6.0	4.0	10.0	22.5	2.0	1
	CCT6-5HD	5	5.3	4.1	8.0	6.4	4.6	10.0	23.5	1.9	1
	CCT6-6HD	6	5.3	4.1	9.0	7.5	5.5	10.0	25.5	1.7	1
	CCT6-8HD	8	5.3	4.1	11.5	10.0	7.0	10.0	29.5	1.6	1
	CCT6-10HD	10	5.3	4.1	14.5	11.8	7.2	10.0	31.0	0.9	1
10	CCT10-5HD	5	6.9	4.4	10.5	5.9	5.1	9.0	27.0	2.0	1
	CCT10-6HD	6	6.9	4.4	10.5	5.9	5.1	9.0	27.0	2.0	1
	CCT10-8HD	8	6.9	4.4	14.0	9.8	8.3	10.0	35.0	1.6	1
	CCT10-10HD	10	6.9	4.4	16.0	12.0	10.0	10.0	39.0	1.5	1
	CCT10-12HD	12	6.9	4.4	18.0	12.0	10.0	10.0	39.0	1.2	1

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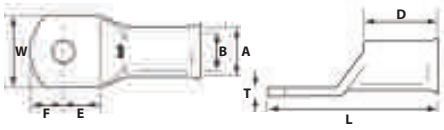
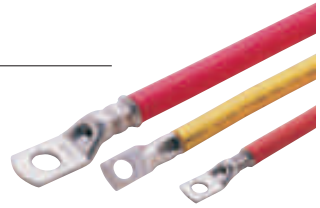
Heavy duty copper tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
16	CCT16-5HD	5	8.0	5.6	11.0	5.9	5.1	11.0	29.5	2.2	1
	CCT16-6HD	6	8.0	5.6	11.0	5.9	5.1	11.0	29.5	2.2	1
	CCT16-8HD	8	8.0	5.6	14.0	9.8	8.3	11.0	38.0	1.7	1
	CCT16-10HD	10	8.0	5.6	16.0	12.0	10.0	11.0	42.0	1.5	1
	CCT16-12HD	12	8.0	5.6	18.0	12.0	10.0	11.0	42.0	1.3	1
25	CCT25-5HD	5	9.5	7.0	13.5	9.8	8.3	13.0	40.0	2.4	1
	CCT25-6HD	6	9.5	7.0	13.5	9.8	8.3	13.0	40.0	2.4	1
	CCT25-8HD	8	9.5	7.0	13.5	9.8	8.3	13.0	40.0	2.4	1
	CCT25-10HD	10	9.5	7.0	16.0	12.0	10.0	13.0	44.0	2.0	1
	CCT25-12HD	12	9.5	7.0	18.0	12.0	10.0	13.0	44.0	1.8	1
35	CCT35-5HD	5	11.0	8.2	15.5	9.8	8.3	14.0	41.0	2.8	1
	CCT35-6HD	6	11.0	8.2	15.5	9.8	8.3	14.0	41.0	2.8	1
	CCT35-8HD	8	11.0	8.2	15.5	9.8	8.3	14.0	41.0	2.8	1
	CCT35-10HD	10	11.0	8.2	15.5	12.0	10.0	14.0	45.0	2.8	1
	CCT35-12HD	12	11.0	8.2	18.0	12.0	10.0	14.0	45.0	2.2	1
	CCT35-14HD	14	11.0	8.2	20.0	15.0	12.0	14.0	50.0	2.0	1
50	CCT50-5HD	5	12.1	9.5	17.2	9.8	8.3	18.0	46.0	2.4	1
	CCT50-6HD	6	12.1	9.5	17.2	9.8	8.3	18.0	46.0	2.4	1
	CCT50-8HD	8	12.1	9.5	17.2	9.8	8.3	18.0	46.0	2.4	1
	CCT50-10HD	10	12.1	9.5	17.2	12.0	10.0	18.0	50.0	2.4	1
	CCT50-12HD	12	12.1	9.5	17.2	12.0	10.0	18.0	50.0	2.4	1
	CCT50-14HD	14	12.1	9.5	20.0	15.0	12.0	18.0	55.0	1.9	1
	CCT50-16HD	16	12.1	9.5	22.0	15.0	12.0	18.0	55.0	1.7	1
70	CCT70-5HD	5	15.0	11.5	21.2	9.8	8.3	18.0	48.0	3.5	1
	CCT70-6HD	6	15.0	11.5	21.2	9.8	8.3	18.0	48.0	3.5	1
	CCT70-8HD	8	15.0	11.5	21.2	9.8	8.3	18.0	48.0	3.5	1
	CCT70-10HD	10	15.0	11.5	21.2	12.0	10.0	18.0	52.0	3.5	1
	CCT70-12HD	12	15.0	11.5	21.2	12.0	10.0	18.0	52.0	3.5	1
	CCT70-14HD	14	15.0	11.5	21.2	16.5	16.5	18.0	63.0	3.5	1
	CCT70-16HD	16	15.0	11.5	21.2	16.5	16.5	18.0	63.0	3.5	1

CONTINUED OVERLEAF ➤

Copper tube terminals - Heavy duty range continued





Heavy duty copper tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
95	CCT95-6HD	6	17.0	13.5	24.3	12.0	10.0	24.0	58.0	3.5	1
	CCT95-8HD	8	17.0	13.5	24.3	12.0	10.0	24.0	58.0	3.5	1
	CCT95-10HD	10	17.0	13.5	24.3	12.0	10.0	24.0	58.0	3.5	1
	CCT95-12HD	12	17.0	13.5	24.3	12.0	10.0	24.0	58.0	3.5	1
	CCT95-14HD	14	17.0	13.5	24.3	16.5	16.5	24.0	69.0	3.5	1
	CCT95-16HD	16	17.0	13.5	24.3	16.5	16.5	24.0	69.0	3.5	1
120	CCT120-8HD	8	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	1
	CCT120-10HD	10	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	1
	CCT120-12HD	12	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	1
	CCT120-14HD	14	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	1
	CCT120-16HD	16	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	1
	CCT120-20HD	20	19.0	15.0	27.2	18.8	14.3	27.0	73.0	4.0	1
150	CCT150-8HD	8	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	1
	CCT150-10HD	10	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	1
	CCT150-12HD	12	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	1
	CCT150-14HD	14	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	1
	CCT150-16HD	16	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	1
	CCT150-20HD	20	21.0	16.5	30.0	18.8	14.3	27.0	78.0	4.5	1
185	CCT185-10HD	10	23.0	18.5	33.5	15.5	15.5	30.0	82.0	4.5	1
	CCT185-12HD	12	23.0	18.5	33.5	15.5	15.5	30.0	82.0	4.5	1
	CCT185-14HD	14	23.0	18.5	33.5	15.5	15.5	30.0	82.0	4.5	1
	CCT185-16HD	16	23.0	18.5	33.5	15.5	15.5	30.0	82.0	4.5	1
	CCT185-20HD	20	23.0	18.5	33.5	19.0	13.5	30.0	82.0	4.5	1
240	CCT240-10HD	10	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
	CCT240-12HD	12	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
	CCT240-14HD	14	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
	CCT240-16HD	16	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
	CCT240-20HD	20	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	1
300	CCT300-10HD	10	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
	CCT300-12HD	12	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
	CCT300-14HD	14	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
	CCT300-16HD	16	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1
	CCT300-20HD	20	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	1

Copper tube terminals - Heavy duty range continued

Heavy duty copper tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
400	CCT400-10HD	10	32.0	27.0	47.3	25.0	25.0	38.0	113.0	5.0	1
	CCT400-12HD	12	32.0	27.0	47.3	25.0	25.0	38.0	113.0	5.0	1
	CCT400-14HD	14	32.0	27.0	47.3	25.0	25.0	38.0	113.0	5.0	1
	CCT400-16HD	16	32.0	27.0	47.3	25.0	25.0	38.0	113.0	5.0	1
	CCT400-20HD	20	32.0	27.0	47.3	25.0	25.0	38.0	113.0	5.0	1
500	CCT500HD	ANY	38.1	30.0	55.0	29.0	25.0	44.0	127.0	8.2	1
630	CCT630HD	ANY	44.0	33.8	63.0	25.0	23.0	46.0	127.0	10.2	1
800	CCT800HD	ANY	49.0	38.0	70.0	34.0	34.0	56.0	164.0	11.0	1
1000	CCT1000HD	ANY	53.0	42.5	77.0	34.0	34.0	56.0	169.0	10.5	1

Copper tube terminal kits

Our copper tube terminal kits are Ideal for on-site applications. They are manufactured from seamless copper tube to BS EN 12449: 1999.

Small 18 compartment

This 18 compartment kit contains a selection of copper tube terminals, splices, flat pins and blades from 6.0mm² to 25.0mm².

Part number	Description
CCT-S-KIT	18 compartment kit

Large 32 compartment

This 32 compartment kit contains a selection of copper tube terminals, splices, flat pins and blades from 6.0mm² to 50.0mm². Included is the CRT 50 tool. For more information see page 368.

Part number	Description
CCT-L-KIT	32 compartment kit & CRT 50 tool

HDT Series copper tube terminals

HDT Series copper tube terminals are rail approved, ideal for use in mass transit, rolling stock and signalling installations. They will produce a high tensile crimped joint in accordance with BS4G 178 Part 2-1986 and RSE/RTD 024 Part 7 – Issue A (London Underground Approval). Available in sizes from 4.0mm² to 120mm². Sizes from 4.0mm² to 70mm² are compliant with NF C20-130.

Suitable for tool CHT 150 p. 326

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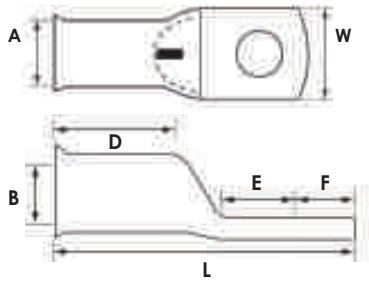


SPECIFICATIONS

Material
Seamless copper tube

Approvals
NF C20-130. BS4G 178 Part 2-1986 & RSE/RTD 024 Part 7 Issue A, E 6487 A2 (London Underground approval), RoHS 2

3.3 Kv

HDT series copper tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)							Pack qty
			W	B	A	F	E	D	L	
4	CCT4-4HDT	4	9	2.7	5	6.2	7.4	8.7	25.7	100
	CCT4-5HDT	5	9	2.7	5	6.2	7.4	8.7	25.7	100
	CCT4-6HDT	6	12	2.7	5	6.2	7.4	8.7	25.7	100
	CCT4-8HDT	8	12	2.7	5	6.2	7.4	8.7	25.7	100
6	CCT6-4HDT	4	10	3.3	5.5	6.2	7	10.7	27.7	100
	CCT6-5HDT	5	13	3.3	5.5	8	9	10.7	31.5	100
	CCT6-6HDT	6	13	3.3	5.5	8	9	10.7	31.5	100
	CCT6-8HDT	8	13	3.3	5.5	8	9	10.7	31.5	100
10	CCT10-4HDT	4	11	4.3	6.8	6.2	6.6	13.7	32.2	100
	CCT10-5HDT	5	11	4.3	6.8	6.2	6.6	13.7	32.2	100
	CCT10-6HDT	6	11	4.3	6.8	6.2	6.6	13.7	32.2	100
	CCT10-8HDT	8	14	4.3	6.8	8.2	10.6	13.7	36.7	100
	CCT10-10HDT	10	14	4.3	6.8	8.2	10.6	13.7	36.7	100

HDT Series copper tube terminals continued

HDT series copper tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)							Pack qty
			W	B	A	F	E	D	L	
16	CCT16-5HDT	5	12	5.3	8	6	7	14.7	34	100
	CCT16-6HDT	6	12	5.3	8	6	7	14.7	34	100
	CCT16-8HDT	8	16	5.3	8	8	11	14.7	39	100
	CCT16-10HDT	10	16	5.3	8	8	11	14.7	39	100
	CCT16-12HDT	12	17	5.3	8	9.2	13.4	14.7	40.7	100
25	CCT25-6HDT	6	13	6.6	9.5	7.5	9	14.6	41.6	50
	CCT25-8HDT	8	16	6.6	9.5	7.5	11	14.6	41.6	50
	CCT25-10HDT	10	16	6.6	9.5	7.5	11	14.6	41.6	50
	CCT25-12HDT	12	17.5	6.6	9.5	7.5	11	14.6	41.6	50
35	CCT35-6HDT	6	15	7.9	11	9.4	10.5	16.5	43.5	50
	CCT35-8HDT	8	17	7.9	11	9.4	10.5	16.5	43.5	50
	CCT35-10HDT	10	17	7.9	11	9.4	10.5	16.5	43.5	50
	CCT35-12HDT	12	18.5	7.9	11	9.4	10.5	16.5	43.5	50
50	CCT50-6HDT	6	18	9.2	12.5	7.5	8.9	18.5	43.5	50
	CCT50-8HDT	8	18	9.2	12.5	10.5	13.1	18.5	51	50
	CCT50-10HDT	10	18	9.2	12.5	10.5	13.1	18.5	51	50
	CCT50-12HDT	12	19	9.2	12.5	10.5	13.1	18.5	51	50
70	CCT70-8HDT	8	21	11	15	10.7	13.3	20	55.5	50
	CCT70-10HDT	10	21	11	15	10.7	13.3	20	55.5	50
	CCT70-12HDT	12	21	11	15	10.7	13.3	20	55.5	50
95	CCT95-8HDT	8	24	13.1	17	13.7	15.3	27.5	67.5	25
	CCT95-10HDT	10	24	13.1	17	13.7	15.3	27.5	67.5	25
	CCT95-12HDT	12	24	13.1	17	13.7	15.3	27.5	67.5	25
	CCT95-14HDT	14	24	13.1	17	13.7	15.3	27.5	67.5	25
	CCT95-16HDT	16	24	13.1	17	13.7	15.3	27.5	67.5	25
120	CCT120-10HDT	10	28	14.5	19	13.6	16.4	31.8	75.5	10
	CCT120-12HDT	12	28	14.5	19	13.6	16.4	31.8	75.5	10
	CCT120-14HDT	14	28	14.5	19	13.6	16.4	31.8	75.5	10
	CCT120-16HDT	16	28	14.5	19	13.6	16.4	31.8	75.5	10

Larger sizes to 630mm² can be manufactured, please contact **technical@cablecraft.co.uk** for more information.

High voltage copper tube terminals

Cablecraft high voltage copper tube terminals are made from a high conductivity seamless copper tube, electrolytically tin plated.

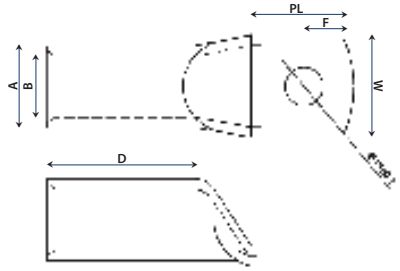
The terminals are designed for use with stranded copper conductors up to 11Kv or 33Kv. The absence of an inspection hole prevents moisture ingress making these copper terminals also suitable for outdoor applications. The single bolt terminals feature a double length barrel and chamfered entry to ensure correct conductor insertion prior to crimping.

SPECIFICATIONS

Material
Copper tube plated with electro tin plate

Standards
EN 12735 (Purity 99.5%+), tin plated to BS 1872, RoHS 2

11 Kv or 33 Kv



Cable size (mm²)	Part number 11 Kv	Part number 33 Kv	Stud size (mm)	Dimensions (mm)						Pack qty
				A	B	D	PL	F	W	
25	CCT25 -12 11KV	- -	12	11.0	7.0	21.0	23.0	10.0	20.0	1
35	CCT35-12 11KV	- -	12	12.0	8.2	21.0	23.0	10.0	20.0	1
50	CCT50-12 11KV	CCT50-12 33KV	12	15.0	9.5	36.5	23.0	10.0	20.4	1
70	CCT70-12 11KV	CCT70-12 33KV	12	17.0	11.5	36.5	28.0	14.0	23.5	1
95	CCT95-12 11KV	CCT95-12 33KV	12	19.0	13.5	39.0	35.0	14.0	26.7	1
120	CCT120-12 11KV	CCT120-12 33KV	12	21.0	15.0	44.0	35.0	17.0	29.5	1
150	CCT150-12 11KV	CCT150-12 33KV	12	23.0	16.5	49.0	35.0	17.0	32.0	1
185	CCT185 -12 11KV	CCT185 -12 33KV	12	26.0	18.5	52.0	35.0	17.0	36.5	1
240	CCT240-12 11KV	CCT240-12 33KV	12	28.0	21.0	55.0	35.0	17.0	40.0	1
300	CCT300-12 11KV	CCT300-12 33KV	12	32.0	23.0	60.0	35.0	17.0	45.0	1

Other cable and stud sizes are available to order.

Heavy duty nickel plated tube terminals

Heavy duty nickel plated tube terminals are made from seamless copper tube, plated in high grade nickel.

Heavy duty nickel plated terminals are designed primarily for compression crimping onto a variety of European stranded and flexible cables. When used with the recommended dies and tooling, they will produce a high tensile crimped joint. The nickel plating is heat resistant up to 343˚C (650˚F).

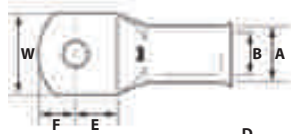
SPECIFICATIONS

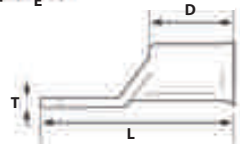
Material
Seamless copper tube to BSEN 12449: 1999, plated with high grade nickel

Approvals
BS4G 178 Part 2 -1986, BS-EN 60352-2-2006

3.3 Kv

Service temperature range
Heat resistant up to 343˚C (650˚F)





Heavy duty nickel plated tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
1.5	CCTN1.5-3	3	3.6	1.9	5.5	5.0	3.0	7.5	17.0	1.4	100
	CCTN1.5-4	4	3.6	1.9	6.7	6.0	4.0	7.5	19.5	1.1	100
	CCTN1.5-5	5	3.6	1.9	7.7	6.5	4.5	7.5	20.4	0.9	100
2.5	CCTN2.5-3	3	3.9	2.4	5.5	5.0	3.0	7.8	18.0	1.6	100
	CCTN2.5-4	4	3.9	2.4	6.7	6.0	4.0	7.8	20.0	1.4	100
	CCTN2.5-5	5	3.9	2.4	7.7	6.9	4.5	7.8	21.2	1.1	100
	CCTN2.5-6	6	3.9	2.4	9.0	7.5	5.5	7.8	23.0	1.0	100
4	CCTN4-4	4	4.7	2.8	7.0	6.0	4.0	8.0	20.5	1.7	100
	CCTN4-5	5	4.7	2.8	8.0	6.4	4.6	8.0	21.5	1.4	100
	CCTN4-6	6	4.7	2.8	9.0	7.5	5.5	8.0	23.5	1.3	100
6	CCTN6-4	4	5.3	4.1	7.0	6.0	4.0	10.0	22.5	2.0	100
	CCTN6-5	5	5.3	4.1	8.0	6.4	4.6	10.0	23.5	1.9	100
	CCTN6-6	6	5.3	4.1	9.0	7.5	5.5	10.0	25.5	1.7	100
	CCTN6-8	8	5.3	4.1	11.5	10.0	7.0	10.0	29.5	1.6	100
	CCTN6-10	10	5.3	4.1	14.5	11.8	7.2	10.0	31.0	0.9	100
10	CCTN10-5	5	6.9	4.4	10.5	5.9	5.1	9.0	27.0	2.0	100
	CCTN10-6	6	6.9	4.4	10.5	5.9	5.1	9.0	27.0	2.0	100
	CCTN10-8	8	6.9	4.4	14.0	9.8	8.3	10.0	35.0	1.6	100
	CCTN10-10	10	6.9	4.4	16.0	12.0	10.0	10.0	39.0	1.5	100
	CCTN10-12	12	6.9	4.4	18.0	12.0	10.0	10.0	39.0	1.2	100

CONTINUED OVERLEAF ➤

Heavy duty nickel plated tube terminals continued

Heavy duty nickel plated copper tube terminals

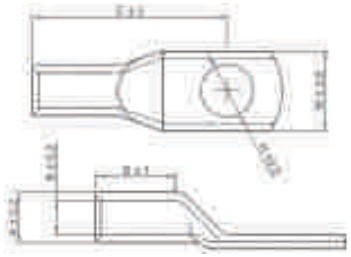
Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
16	CCTN16-5	5	8.0	5.6	11.0	5.9	5.1	11.0	29.5	2.2	100
	CCTN16-6	6	8.0	5.6	11.0	5.9	5.1	11.0	29.5	2.2	100
	CCTN16-8	8	8.0	5.6	14.0	9.8	8.3	11.0	38.0	1.7	100
	CCTN16-10	10	8.0	5.6	16.0	12.0	10.0	11.0	42.0	1.5	100
	CCTN16-12	12	8.0	5.6	18.0	12.0	10.0	11.0	42.0	1.3	100
25	CCTN25-5	5	9.5	7.0	13.5	9.8	8.3	13.0	40.0	2.4	100
	CCTN25-6	6	9.5	7.0	13.5	9.8	8.3	13.0	40.0	2.4	100
	CCTN25-8	8	9.5	7.0	13.5	9.8	8.3	13.0	40.0	2.4	100
	CCTN25-10	10	9.5	7.0	16.0	12.0	10.0	13.0	44.0	2.0	100
	CCTN25-12	12	9.5	7.0	18.0	12.0	10.0	13.0	44.0	1.8	100
35	CCTN35-5	5	11.0	8.2	15.5	9.8	8.3	14.0	41.0	2.8	100
	CCTN35-6	6	11.0	8.2	15.5	9.8	8.3	14.0	41.0	2.8	100
	CCTN35-8	8	11.0	8.2	15.5	9.8	8.3	14.0	41.0	2.8	100
	CCTN35-10	10	11.0	8.2	15.5	12.0	10.0	14.0	45.0	2.8	100
	CCTN35-12	12	11.0	8.2	18.0	12.0	10.0	14.0	45.0	2.2	100
	CCTN35-14	14	11.0	8.2	20.0	15.0	12.0	14.0	50.0	2.0	100
50	CCTN50-5	5	12.1	9.5	17.2	9.8	8.3	18.0	46.0	2.4	100
	CCTN50-6	6	12.1	9.5	17.2	9.8	8.3	18.0	46.0	2.4	100
	CCTN50-8	8	12.1	9.5	17.2	9.8	8.3	18.0	46.0	2.4	100
	CCTN50-10	10	12.1	9.5	17.2	12.0	10.0	18.0	50.0	2.4	100
	CCTN50-12	12	12.1	9.5	17.2	12.0	10.0	18.0	50.0	2.4	100
	CCTN50-14	14	12.1	9.5	20.0	15.0	12.0	18.0	55.0	1.9	100
	CCTN50-16	16	12.1	9.5	22.0	15.0	12.0	18.0	55.0	1.7	100
70	CCTN70-5	5	15.0	11.5	21.2	9.8	8.3	18.0	48.0	3.5	50
	CCTN70-6	6	15.0	11.5	21.2	9.8	8.3	18.0	48.0	3.5	50
	CCTN70-8	8	15.0	11.5	21.2	9.8	8.3	18.0	48.0	3.5	50
	CCTN70-10	10	15.0	11.5	21.2	12.0	10.0	18.0	52.0	3.5	50
	CCTN70-12	12	15.0	11.5	21.2	12.0	10.0	18.0	52.0	3.5	50
	CCTN70-14	14	15.0	11.5	21.2	16.5	16.5	18.0	63.0	3.5	50
	CCTN70-16	16	15.0	11.5	21.2	16.5	16.5	18.0	63.0	3.5	50

Heavy duty nickel plated copper tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
95	CCTN95-6	6	17.0	13.5	24.3	12.0	10.0	24.0	58.0	3.5	50
	CCTN95-8	8	17.0	13.5	24.3	12.0	10.0	24.0	58.0	3.5	50
	CCTN95-10	10	17.0	13.5	24.3	12.0	10.0	24.0	58.0	3.5	50
	CCTN95-12	12	17.0	13.5	24.3	12.0	10.0	24.0	58.0	3.5	50
	CCTN95-14	14	17.0	13.5	24.3	16.5	16.5	24.0	69.0	3.5	50
	CCTN95-16	16	17.0	13.5	24.3	16.5	16.5	24.0	69.0	3.5	50
120	CCTN120-8	8	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	50
	CCTN120-10	10	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	50
	CCTN120-12	12	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	50
	CCTN120-14	14	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	50
	CCTN120-16	16	19.0	15.0	27.2	16.5	16.5	27.0	73.0	4.0	50
	CCTN120-20	20	19.0	15.0	27.2	18.8	14.3	27.0	73.0	4.0	50
150	CCTN150-8	8	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	50
	CCTN150-10	10	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	50
	CCTN150-12	12	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	50
	CCTN150-14	14	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	50
	CCTN150-16	16	21.0	16.5	30.0	16.5	16.5	27.0	78.0	4.5	50
	CCTN150-20	20	21.0	16.5	30.0	18.8	14.3	27.0	78.0	4.5	50
185	CCTN185-12	12	23.0	18.5	33.5	16.5	16.5	30.0	82.0	4.5	50
	CCTN185-14	14	23.0	18.5	33.5	16.5	16.5	30.0	82.0	4.5	50
	CCTN185-16	16	23.0	18.5	33.5	16.5	16.5	30.0	82.0	4.5	50
	CCTN185-20	20	23.0	18.5	33.5	18.8	14.3	30.0	82.0	4.5	50
240	CCTN240-10	10	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	10
	CCTN240-12	12	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	10
	CCTN240-14	14	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	10
	CCTN240-16	16	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	10
	CCTN240-20	20	26.0	21.0	37.7	18.0	17.0	32.0	88.0	5.0	10
300	CCTN300-10	10	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	10
	CCTN300-12	12	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	10
	CCTN300-14	14	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	10
	CCTN300-16	16	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	10
	CCTN300-20	20	28.0	23.0	41.0	18.0	17.0	37.0	97.0	5.0	10

Available for cable sizes up 1000mm². Please contact our sales office for more details.

Heavy duty stainless steel terminals



Our high grade stainless steel cable terminals are ideal for aggressive environments with a high degree of oxidation resistance. They feature a flat contact surface made by steel punch technology and chamfered entry for simple cable insertion. For cables 10 - 95mm².

HT High temperature

SPECIFICATIONS

Material
316 grade stainless steel
Service temperature
Heat resistant up to 1700˚C
3.3 Kv
Standards
RoHS 2 compliant

Heavy duty stainless steel terminals

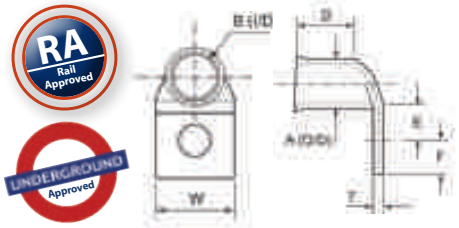
Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)					Pack quantity
			A	B	W	C	D	
10	CCTSS10-5	5.0	8.0	5.0	12.5	25.0	12.0	100
	CCTSS10-6	6.0	8.0	5.0	12.5	25.0	12.0	100
	CCTSS10-8	8.0	8.0	5.0	15.0	28.0	12.0	100
16	CCTSS16-5	5.0	8.0	6.0	12.0	30.0	15.0	100
	CCTSS16-6	6.0	8.0	6.0	12.0	30.0	15.0	100
	CCTSS16-8	8.0	8.0	6.0	15.0	31.0	15.0	100
25	CCTSS25-6	6.0	10.0	7.0	14.0	31.0	17.0	100
	CCTSS25-8	8.0	10.0	7.0	16.0	33.0	17.0	100
	CCTSS25-10	10.0	10.0	7.0	16.0	35.0	17.0	100
35	CCTSS35-6	6.0	12.0	9.0	17.0	34.0	20.0	50
	CCTSS35-8	8.0	12.0	9.0	17.0	37.0	20.0	50
	CCTSS35-10	10.0	12.0	9.0	17.0	40.0	20.0	50
50	CCTSS50-6	6.0	14.0	10.0	20.0	40.0	22.0	50
	CCTSS50-8	8.0	14.0	10.0	20.0	40.0	22.0	50
	CCTSS50-10	10.0	14.0	10.0	20.0	42.0	22.0	50
	CCTSS50-12	12.0	14.0	10.0	20.0	46.0	22.0	50
70	CCTSS70-8	8.0	16.0	12.0	23.0	45.0	23.0	25
	CCTSS70-10	10.0	16.0	12.0	23.0	46.0	23.0	25
	CCTSS70-12	12.0	16.0	12.0	23.0	47.0	23.0	25
	CCTSS70-16	16.0	16.0	12.0	26.0	49.0	23.0	25
95	CCTSS95-8	8.0	18.0	14.0	26.0	52.0	27.0	25
	CCTSS95-10	10.0	18.0	14.0	26.0	52.0	27.0	25
	CCTSS95-12	12.0	18.0	14.0	26.0	52.0	27.0	25
	CCTSS95-16	16.0	18.0	14.0	26.0	54.0	27.0	25

Wire conductor size chart

AWG	Area mm²	Area CMA (circular mil area)	Diameter mm	Diameter inches
26	.128	252	.404	.0159
25	.161	320	.454	.0179
24	.205	404	.511	.0201
23	.234	511	.574	.0226
22	.259	640	.643	.0253
21	.412	812	.724	.0285
20	.510	1020	.813	.0320
19	.653	1290	.912	.0359
18	.823	1620	1.02	.0403
17	1.04	2050	1.15	.0453
16	1.31	2580	1.29	.0508
15	1.65	3260	1.45	.0571
14	2.08	4110	1.63	.064
13	2.63	5180	1.83	.072
12	3.31	6530	2.05	.080
11	4.17	8230	2.30	.091
10	5.26	10,400	2.59	.102
9	6.63	13,100	2.91	.114
8	8.37	16,500	3.26	.129
7	10.6	20,800	3.66	.144
6	13.3	26,200	4.12	.162
5	16.4	33,100	4.62	.182
4	21.2	47,700	5.19	.204
3	26.7	52,600	5.82	.229
2	33.6	66,300	6.54	.228
1	42.4	83,700	7.35	.289
1/0	55.5	109,600	8.40	.331
2/0	67.4	133,000	9.26	.365
3/0	85.01	168,000	10.4	.410
4/0	107.2	212,000	11.68	.460
250 MCM	126.6	250 MCM	12.70	.500
300 MCM	152.1	300 MCM	13.92	.548
350 MCM	177.6	350 MCM	15.04	.592
400 MCM	202.2	400 MCM	16.02	.632
450 MCM	227.9	450 MCM	17.04	.671
500 MCM	252.9	500 MCM	17.92	.707

HD Copper tube angled palm terminals

HD Copper tube angled palm terminals are available with palm angles of 90˚ as standard. Available to order with angles of 30˚, 45˚, 55˚ and 70˚. Sizes 10mm² to 240mm² are held in stock. Our special application service can provide longer palmed terminals to your requirements.



SPECIFICATIONS

Material Seamless copper tube to BS EN 12449: 1999

Approvals BS EN 61238-1-2003 & BS 4579 bright electro tin plating to BS 1872: 1974, Part 7 Issue A. LUL, E 6487 A2, RoHS 2 compliant

3.3 Kv

Service temperature Heat resistant up to 240˚C

Angled palm copper tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)							Pack quantity
			A	B	W	E	F	D	T	
10	CCT10-5RA	5	6.9	4.4	11	5.9	5.1	9	2.0	1
	CCT10-6RA	6	6.9	4.4	11	5.9	5.1	9	2.0	1
	CCT10-8RA	8	6.9	4.4	14	9.75	8.25	11	1.6	1
	CCT10-10RA	10	6.9	4.4	16	12	10	10	1.5	1
16	CCT16-5RA	5	8.0	5.6	11	5.9	5.1	11	2.2	1
	CCT16-6RA	6	8.0	5.6	11	5.9	5.1	11	2.2	1
	CCT16-8RA	8	8.0	5.6	14	9.75	8.25	11	1.7	1
	CCT16-10RA	10	8.0	5.6	16	12	10	11	1.5	1
25	CCT25-5RA	5	9.5	7	13.5	9.75	8.25	13	2.4	1
	CCT25-6RA	6	9.5	7	13.5	9.75	8.25	13	2.4	1
	CCT25-8RA	8	9.5	7	13.5	9.75	8.25	13	2.4	1
	CCT25-10RA	10	9.5	7	16	12	10	13	2.0	1
35	CCT35-5RA	5	11.0	8.2	15.5	9.75	8.25	14	2.8	1
	CCT35-6RA	6	11.0	8.2	15.5	9.75	8.25	14	2.8	1
	CCT35-8RA	8	11.0	8.2	15.5	9.75	8.25	14	2.8	1
	CCT35-10RA	10	11.0	8.2	15.5	12	10	14	2.8	1
50	CCT50-5RA	5	12.1	9.5	17.2	9.8	8.3	18	2.4	1
	CCT50-6RA	6	12.1	9.5	17.2	9.8	8.3	18	2.4	1
	CCT50-8RA	8	12.1	9.5	17.2	9.8	8.3	18	2.4	1
	CCT50-10RA	10	12.1	9.5	17.2	12	10	18	2.4	1
	CCT50-12RA	12	12.1	9.5	17.2	12	10	18	2.4	1

Angled palm copper tube terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)							Pack quantity
			A	B	W	E	F	D	T	
70	CCT70-5RA	5	15.0	11.5	21.2	9.75	8.25	18	3.5	1
	CCT70-6RA	6	15.0	11.5	21.2	9.75	8.25	18	3.5	1
	CCT70-8RA	8	15.0	11.5	21.2	9.75	8.25	18	3.5	1
	CCT70-10RA	10	15.0	11.5	21.2	12	10	18	3.5	1
	CCT70-12RA	12	15.0	11.5	21.2	12	10	18	3.5	1
95	CCT95-8RA	8	17.0	13.5	24.3	12	10	24	3.5	1
	CCT95-10RA	10	17.0	13.5	24.3	12	10	24	3.5	1
	CCT95-12RA	12	17.0	13.5	24.3	12	10	24	3.5	1
	CCT95-14RA	14	17.0	13.5	21.2	12	10	24	3.5	1
120	CCT120-10RA	10	19.0	15.0	27.2	16.5	16.5	27	4	1
	CCT120-12RA	12	19.0	15.0	27.2	16.5	16.5	27	4	1
	CCT120-14RA	14	19.0	15.0	27.2	16.5	16.5	27	4	1
150	CCT150-10RA	10	21.0	16.5	30	16.5	16.5	27	4.5	1
	CCT150-12RA	12	21.0	16.5	30	16.5	16.5	27	4.5	1
	CCT150-14RA	14	21.0	16.5	30	16.5	16.5	27	4.5	1
185	CCT185-12RA	12	23	18.5	33.5	16.5	16.5	30	4.5	1
	CCT185-14RA	14	23	18.5	33.5	16.5	16.5	30	4.5	1
	CCT185-16RA	16	23	18.5	33.5	16.5	16.5	30	4.5	1
240	CCT240-10RA	10	26.0	21.0	37.7	18	17	32	5	1
	CCT240-12RA	12	26.0	21.0	37.7	18	17	32	5	1
	CCT240-14RA	14	26.0	21.0	37.7	18	17	32	5	1
	CCT240-16RA	16	26.0	21.0	37.7	18	17	32	5	1
300	CCT300-12RA	12	28.0	23.0	41	18	17	37	5	1
	CCT300-14RA	14	28.0	23.0	41	18	17	37	5	1
	CCT300-16RA	16	28.0	23.0	41	18	17	37	5	1
400	CCT400-12RA	12	32.0	27.0	47.3	25	25	38	5	1
	CCT400-14RA	14	32.0	27.0	47.3	25	25	38	5	1
	CCT400-16RA	16	32.0	27.0	47.3	25	25	38	5	1
500	CCT500 RA	ANY	38.1	30	55	29	25	44	8.2	1
630	CCT630 RA	ANY	44	33.8	63	25	23	46	10.2	1
800	CCT800 RA	ANY	49	38	70	34	34	56	11	1
1000	CCT1000 RA	ANY	53	42.5	77	34	34	56	10.5	1

CTT Crimping solutions

HD Long palm copper tube fixing terminals

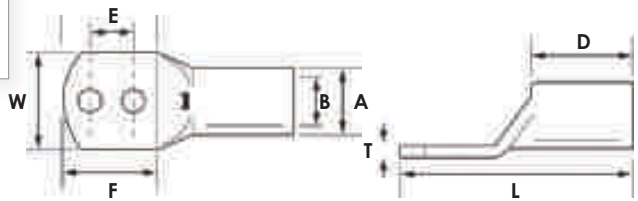
HD Long palm fixing lugs with stud size and centres shown as standard. Other sizes and centres can be manufactured if required.

SPECIFICATIONS

Material
Seamless copper tube to BS EN 12449: 1999.

Approvals
BS EN 61238-1-2003 and BS 4579 bright electro tin plating to BS 1872: 1974.
RSE/RTD 024 Part 7 Issue A. LUL.
RoHS 2 compliant

3.3 Kv



HD long palm copper tube fixing terminals

Cable size (mm²)	Part number	Stud size (mm)	Dimensions (mm)								Pack qty
			A	B	W	E	F	D	L	T	
10	CCTLP2H10	6	6.9	4.4	11.0	16.0	34.0	10.0	50.0	2.0	1
16	CCTLP2H16	6	8.0	5.6	11.0	16.0	34.0	11.0	52.0	2.2	1
25	CCTLP2H25	6	9.5	7.0	13.5	16.0	34.0	13.0	57.0	2.4	1
35	CCTLP2H35	6	11.0	8.2	15.5	16.0	34.0	18.0	56.0	2.8	1
50	CCTLP2H50	6	12.0	9.5	17.0	16.0	34.0	18.0	61.0	2.4	1
70	CCTLP2H70	12.5	15.0	11.5	21.2	45.0	75.0	18.0	105.0	2.0	1
95	CCTLP2H95	12.5	17.0	13.5	24.3	45.0	75.0	24.0	111.0	3.5	1
120	CCTLP2H120	12.5	19.0	15.0	27.2	45.0	75.0	27.0	115.0	4.0	1
150	CCTLP2H150	12.5	21.0	16.5	30.0	45.0	75.0	27.0	120.0	4.5	1
185	CCTLP2H185	12.5	23.0	18.5	33.5	45.0	75.0	30.0	125.0	4.5	1
240	CCTLP2H240	12.5	26.0	21.0	37.7	45.0	75.0	32.0	128.0	5.0	1
300	CCTLP2H300	12.5	28.0	23.0	41.0	45.0	75.0	37.0	137.0	5.0	1
400	CCTLP2H400	12.5	32.0	27.0	47.3	45.0	75.0	38.0	138.0	5.0	1
500	CCTLP2H500	12.5	38.0	30.0	55.0	45.0	75.0	50.0	160.0	8.2	1
630	CCTLP2H630	12.5	44.0	33.8	63.0	45.0	75.0	50.0	164.0	10.2	1
800	CCTLP2H800	12.5	49.0	38.0	70.0	45.0	75.0	56.0	171.0	11.0	1

CTT Crimping solutions

HD Long palm fixing terminals - Blanks

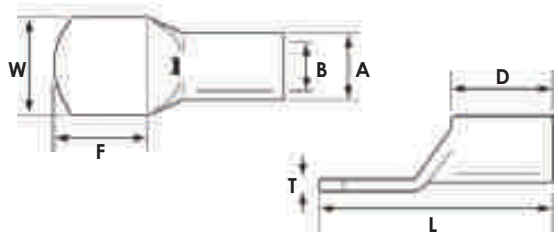
HD Blank long palm fixing lugs enable the user with specific requirements to customise the stud sizes and positions.

SPECIFICATIONS

Material
Seamless copper tube to BS EN 12449: 1999.

Approvals
BS EN 61238-1-2003 and BS 4579 bright electro tin plating to BS 1872: 1974. RSE/RTD 024 Part 7 Issue A. LUL. RoHS 2 compliant

3.3 Kv



HD long palm fixing blanks

Cable size (mm²)	Part number	Dimensions (mm)							Pack quantity
		A	B	W	F	D	L	T	
10	CCTLPBL10	6.9	4.4	11.0	34.0	10.0	50.0	2.0	1
16	CCTLPBL16	8.0	5.6	11.0	34.0	11.0	52.0	2.2	1
25	CCTLPBL25	9.5	7.0	13.5	34.0	13.0	57.0	2.4	1
35	CCTLPBL35	11.0	8.2	15.5	34.0	18.0	56.0	2.8	1
50	CCTLPBL50	12.0	9.5	17.0	34.0	18.0	61.0	2.4	1
70	CCTLPBL70	15.0	11.5	21.2	75.0	18.0	105.0	2.0	1
95	CCTLPBL95	17.0	13.5	24.3	75.0	24.0	111.0	3.5	1
120	CCTLPBL120	19.0	15.0	27.2	75.0	27.0	115.0	4.0	1
150	CCTLPBL150	21.0	16.5	30.0	75.0	27.0	120.0	4.5	1
185	CCTLPBL185	23.0	18.5	33.5	75.0	30.0	125.0	4.5	1
240	CCTLPBL240	26.0	21.0	37.7	75.0	32.0	128.0	5.0	1
300	CCTLPBL300	28.0	23.0	41.0	75.0	37.0	137.0	5.0	1
400	CCTLPBL400	32.0	27.0	47.3	75.0	38.0	138.0	5.0	1
500	CCTLPBL500	38.0	30.0	55.0	75.0	50.0	160.0	8.2	1
630	CCTLPBL630	44.0	33.8	63.0	75.0	50.0	164.0	10.2	1
800	CCTLPBL800	49.0	38.0	70.0	75.0	56.0	171.0	11.0	1

Transformer terminals - 4 hole fixing

Transformer terminals have a standard hole size of 8mm. The 4 hole stud fixing in accordance with E.A specifications, ensures compatibility with most transformer fixing arrangements. Our special application service can manufacture custom hole configurations to your specification. Please contact us for details.

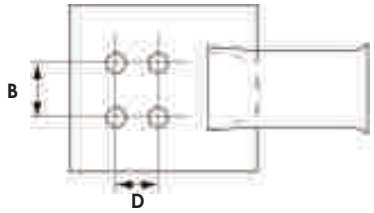
SPECIFICATIONS

Material Seamless copper tube to BS EN 12449:1999

Approvals BS EN 61238-1 2003 and BS 4579 bright, electro-tin plating to BS 1872:1974. RoHS 2 compliant

Bell mouth entry

TF70 to TF400 are of the brazed palm type with barrel dimensions identical to the HD heavy duty terminals.

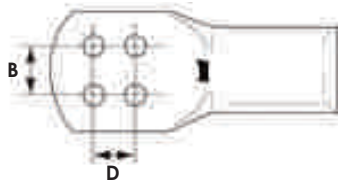


Transformer terminals

Cable size (mm²)	Part no.	Stud size	Dimensions (mm)		Pack qty
			B	D	
70	TF70	8.0	35.0	25.0	1
95	TF95	8.0	35.0	25.0	1
120	TF120	8.0	35.0	25.0	1
150	TF150	8.0	35.0	25.0	1
185	TF185	8.0	35.0	25.0	1
240	TF240	8.0	35.0	25.0	1
300	TF300	8.0	35.0	25.0	1
400	TF400	8.0	35.0	25.0	1

Chamfered entry

TF500 to TF1000 are dimensionally identical to the HD Heavy Duty terminals with the exception of the palm fixing holes.



Transformer terminals

Cable size (mm²)	Part no.	Stud size	Dimensions (mm)		Pack qty
			B	D	
500	TF500	8.0	35.0	25.0	1
630	TF630	8.0	35.0	25.0	1
800	TF800	8.0	35.0	25.0	1
1000	TF1000	8.0	35.0	25.0	1

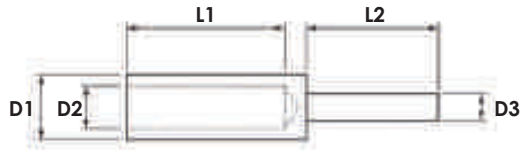
Copper round pin terminals

Copper round pin terminals cater for conductor sizes from 10mm² to 400mm². The reduced pin makes these terminals ideal for terminating conductors into contact blocks. Our standard stock sizes are listed below. Larger sizes up to 1000mm² can be custom made to order. Please contact us for details.

SPECIFICATIONS

Material
Electrolytic copper, electro-tin plated

Approvals
RoHS 2 compliant



Copper round pin terminals

Cable size (mm²)	Part number	Dimensions (mm)					Pack quantity
		L1	L2	D1	D2	D3	
10	CCTRP10	8	10	6.25	4.8	3.8	1
16	CCTRP16	11	13.5	7	5.35	3.7	1
25	CCTRP25	11	19	9	7	5.0	1
35	CCTRP35	11	19	10.7	8	5.0	1
50	CCTRP50	16	19.5	12.3	9.7	7.5	1
70	CCTRP70	19	18	15.8	11.5	8	1
95	CCTRP95	19.5	18	17	13.5	8	1
120	CCTRP120	24	24	19	15	10	1
150	CCTRP150	27	24	22	16.5	10	1
185	CCTRP185	30	25	25	18.5	12	1
240	CCTRP240	32	25	25	21	14	1
300	CCTRP300	42	32	28	23	16	1
400	CCTRP400	45	32	32	27	16	1

Other sizes/dimensions can be manufactured, please contact **technical@cablecraft.co.uk** for more information.

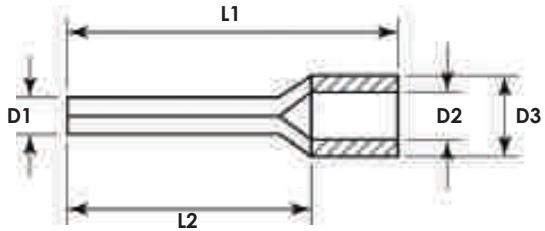
Copper blade terminals

Copper blade terminals are designed to terminate conductors into contact blocks. They are manufactured from copper strip, rolled, brazed and tin plated.

SPECIFICATIONS

Material
Electrolytic copper, electro-tin plated

Approvals
BS EN 61238-1 2003 and BS 4579 bright electro-tin plating to BS 1872:1974.
RoHS 2 compliant



Copper blade terminals

Cable size (mm²)	Part number	Dimensions (mm)					Pack quantity
		L2	L1	D2	D1	D3	
10	CCTP 10	13.2	24.1	4.8	4.3	6.8	1
16	CCTP 16	18.2	34.3	6.0	5.3	8.0	1
25	CCTP 25	18.5	38.0	7.0	7.0	9.0	1
35	CCTP 35	18.8	43.4	8.2	8.0	10.2	1
50	CCTP 50	19.2	50.5	9.5	8.4	12.0	1
70	CCTP 70	23.0	55.0	11.2	11.0	14.2	1
95	CCTP 95	23.0	55.0	13.4	12.5	16.4	1

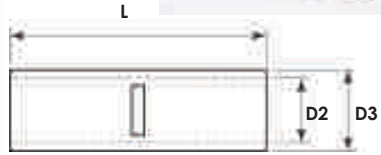
Copper tube splices

Copper tube splices are designed for joining low voltage conductors from 1.5mm² to 1000mm². They feature a flared entry at both ends to ease the insertion of the conductor and a central stop to ensure correct positioning.

SPECIFICATIONS

Material
Electrolytic copper, electro-tin plated

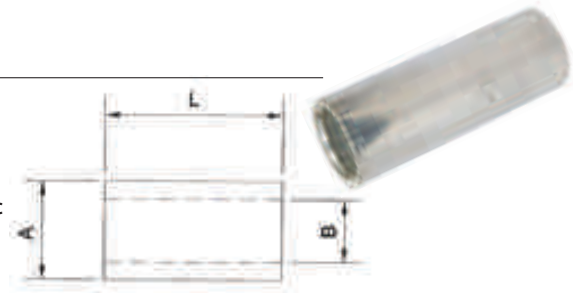
Approvals
BS EN 61238-1 2003 and BS 4579 bright electro-tin plating to BS 1872:1974, RoHS 2 compliant



Copper tube splices

Cable size (mm²)	Part number	Dimensions (mm)			Pack quantity
		L	D2	D3	
1.5	CS1.5	14.0	1.8	3.3	1
2.5	CS2.5	16.0	2.3	4.2	1
4	CS4	19.0	3.0	5.0	1
6	CS6	22.0	4.0	6.0	1
10	CS10	25.0	5.0	7.0	1
16	CS16	30.0	6.0	8.0	1
25	CS25	35.0	7.0	9.0	1
35	CS35	40.0	8.2	10.2	1
50	CS50	44.0	9.5	12.0	1
70	CS70	44.0	11.2	14.2	1
95	CS95	46.0	13.4	16.4	1
120	CS120	50.0	15.0	19.0	1
150	CS150	54.0	17.0	21.0	1
185	CS185	56.0	18.5	22.5	1
240	CS240	58.0	21.0	25.0	1
300	CS300	60.0	23.0	28.0	1
400	CS400	63.0	27.0	32.0	1
500	CS500	135.0	30.0	38.1	1
630	CS630	135.0	33.8	44.0	1
800	CS800	135.0	38.0	49.0	1
1000	CS1000	135.0	42.5	53.0	1

Parallel connectors



For splicing or connecting wires together. Parallel connectors are crimped in two places; one crimp for each wire. Made from electrolytic tin plated copper. Available in 10 - 1000 mm² wire sizes.

Parallel connectors

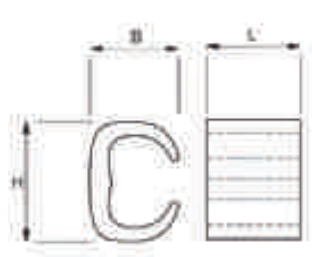
Cable size (mm²)	Part number	Dimensions (mm)			Pack quantity
		A	B	L	
10	CCT10 PS	6.9	4.6	9.0	1
16	CCT16 PS	8.0	5.6	14.0	1
25	CCT25 PS	9.5	7.0	16.0	1
35	CCT35 PS	11.0	8.2	18.0	1
50	CCT50 PS	12.1	9.5	20.0	1
70	CCT70 PS	15.0	11.5	23.0	1
95	CCT95 PS	17.0	13.5	26.0	1
120	CCT120 PS	19.0	15.0	31.0	1
150	CCT150 PS	21.0	16.5	32.0	1
185	CCT185 PS	23.0	18.5	36.0	1
240	CCT240PS	26.0	21.0	39.0	1
300	CCT300 PS	28.0	23.0	43.0	1
400	CCT400 PS	32.0	27.0	44.0	1
500	CCT500 PS	38.1	30.0	66.0	1
630	CCT630 PS	44.0	33.0	66.0	1
800	CCT800 PS	49.0	38.0	66.0	1
1000	CCT1000 PS	53.0	42.5	66.0	1

Dissimilar copper splices

Dissimilar splices are designed for joining cables of dissimilar cross sectional areas. They are available to order to fit voltage conductors from 1.5mm² to 1000mm². When enquiring, specify the cross sectional area of both conductors.

technical@cablecraft.co.uk

Compression tap-off connectors



C connectors are manufactured from high purity copper and are suitable for a variety of uses either to create an earthing network or tapping off from overhead distribution lines.

Suitable for tool CHT 185 p. 327

Compression tap-off connectors

Part number	Allowed conductors (mm²)				Dimensions (mm)			Pack quantity
	Run conductor		Tap conductor		L	H	B	
	Min	Max	Min	Max				
CT10	6	10	6	10	12	12.6	8.4	1
CT16	16	25	6	25	17	19.4	12.0	1
CT25	35	40	6	25	17	21.40	13	1
CT35	35	40	35	40	21	26.6	15.6	1
CT50	50	50	16	50	26	38	21	1
CT70	50	70	50	70	28	34	21	1
CT95	95	100	95	100	29	41	26	1
CT120	120	120	35	120	30	45	28	1
CT150	150	150	70	150	30	48	28	1
CT185	120	185	95	185	32	52	32	1
CT240	240	240	147	240	32	55	38	1

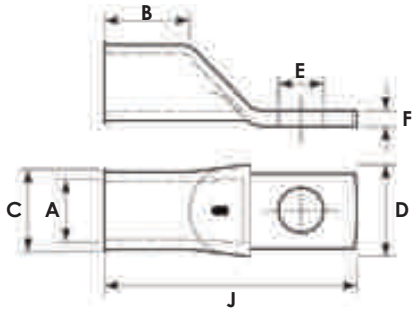
HD Narrow palm copper tube terminals

HD Narrow palm copper tube terminals are specially developed for applications to include L.V. circuit breakers with a reduced space terminal block. The contained palm width allows an immediate and easier installation. Smaller sizes are available, and larger sizes up to 1000mm² are available on request. Please contact us for details.

SPECIFICATIONS

Material
Seamless copper tube to BS EN 12449: 1999.

Approvals
BS EN 61238-1-2003 and BS 4579 bright electro tin plating to BS 1872: 1974.
RoHS 2 compliant



Narrow palm copper tube terminals

Cable size (mm²)	Part number	Stud size E (mm)	Dimensions (mm)						Pack quantity
			B	D	A	C	J	F	
70	CCT70-8NP	8.0	18.0	17.0	11.5	15.0	48.0	3.5	1
95	CCT95-8NP	8.0	24.0	19.0	13.5	17.0	58.0	3.5	1
	CCT95-10NP	10.0	24.0	19.0	13.5	17.0	58.0	3.5	1
120	CCT120-10NP	10.0	27.0	19.0	15.0	19.0	73.0	4.0	1
150	CCT150-10NP	10.0	27.0	19.0	16.5	21.0	78.0	4.5	1
185	CCT185-12NP	12.0	30.0	25.0	18.5	23.0	82.0	4.5	1
240	CCT240-12NP	12.0	32.0	31.0	21.0	26.0	88.0	5.0	1
300	CCT300-12NP	12.0	37.0	31.0	23.0	28.0	97.0	5.0	1
400	CCT400-12NP	12.0	38.0	31.0	27.0	32.0	113.0	5.0	1

SPECIAL APPLICATION SERVICE

Custom copper tube terminals

All copper tube terminals can be made to your own specifications.

Send the details of your special application to our design and manufacturing team in the form of a sketch or diagram, complete with all dimensions and quantities. They will provide the answer and a quote.

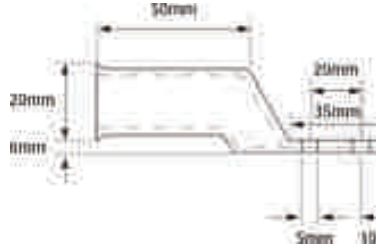
technical@cablecraft.co.uk

Step one

Provide a detailed sketch or diagram.

Step two

You'll be sent a visual of the solution and a quote.



Step three

Place your order. Your special application solution will be manufactured and despatched to you.

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Speak to our experienced and friendly team

CTT Crimping solutions

Nylon insulated copper tube terminals

HF Halogen Free

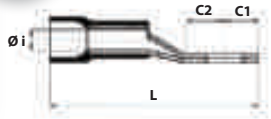
Nylon insulated terminals are made from electrolytic copper, rolled, tin plated and brazed. The interior of the nylon insulated sleeve is funnel shaped for easy introduction of flexible conductor strands.

SPECIFICATIONS

Material Electrolytic copper, rolled, tin plated and brazed. Interior nylon insulated.

Approvals BS EN 61238-1-2003 and BS 4579 bright electro tin plating to BS 1872: 1974. RoHS 2.

Suitable tool - CRT 25 p.323



Nylon insulated copper tube terminals

Cable size (mm²)	Part number	Dimensions (mm)						Pack quantity
		Øi	Stud size mm	C2	C1	L	W	
10	CNCT10-4	4.6	4	5.3	3.8	34.5	11	100
	CNCT10-5	4.6	5	6.3	4.8	36.5	11	100
	CNCT10-6	4.6	6	7.3	5.8	38.5	11	100
	CNCT10-8	4.6	8	9.3	7.8	42.5	15	100
	CNCT10-10	4.6	10	11.3	9.8	46.5	15	100
16	CNCT16-5	5.8	5	6.3	4.8	40	12	100
	CNCT16-6	5.8	6	7.3	5.8	42	12	100
	CNCT16-8	5.8	8	9.3	7.8	46	16	100
	CNCT16-10	5.8	10	11.3	9.8	50	16	100
25	CNCT25-6	7	6	7.3	5.8	45.5	14	50
	CNCT25-8	7	8	9.3	7.8	49.5	18	50
	CNCT25-10	7	10	11.3	9.8	53.5	18	50
35	CNCT35-6	8.9	6	7.3	5.8	50.5	17	50
	CNCT35-8	8.9	8	9.3	7.8	54.5	17	50
	CNCT35-10	8.9	10	11.3	9.8	58.5	18	50
	CNCT35-12	8.9	12	13.8	11.3	62.5	19	50
50	CNCT50-6	10	6	7.3	5.8	57	19	50
	CNCT50-8	10	8	9.3	7.8	61	19	50
	CNCT50-10	10	10	11.3	9.8	65	19	50
	CNCT50-12	10	12	13.8	11.3	69	22	50
70	CNCT70-8	11.3	8	11.3	9.8	71	22	50
	CNCT70-10	11.3	10	11.3	9.8	71	22	50
	CNCT70-12	11.3	12	13.8	11.3	75	22	50
	CNCT70-16	11.3	16	17.3	14.8	82	26	50
95	CNCT95-8	13.5	8	9.3	78	71.5	26	25
	CNCT95-10	13.5	10	11.3	9.8	75.5	26	25
	CNCT95-12	13.5	12	13.8	11.3	79.5	26	25
	CNCT95-14	13.5	14	15.3	13.8	83.5	26	25
120	CNCT120-10	17	10	14	14	95	31	10
	CNCT120-12	17	12	16	14	98	31	10
	CNCT120-16	17	16	16	15	98	31	10

CTT Crimping solutions

Nylon insulated fork terminals

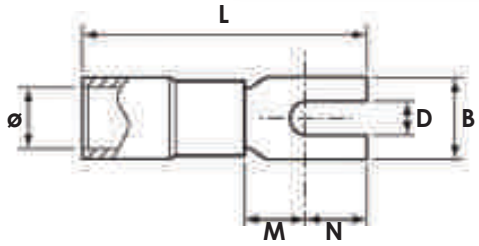
HF Halogen Free

Nylon insulated fork terminals are made from electrolytic copper, rolled, tin plated and brazed. The interior of the nylon insulated sleeve is funnel shaped to ensure complete and easy introduction of the conductor strands.

SPECIFICATIONS

Material
Electrolytic copper, rolled, tin plated and brazed. Interior nylon insulated.

Approvals
BS EN 61238-1-2003 and BS 4579 bright electro tin plating to BS 1872: 1974.



Fork terminals

Cable size (mm²)	Part number	Stud size mm	Dimensions (mm)						Pack quantity
			Ø	B	M	N	L	D	
10	CNIF 10-4	4	8.0	9.8	7.5	7	35.1	4.3	1
	CNIF 10-5	5	8.0	11.5	7.5	7	35.1	5.3	1
16	CNIF 16-4	4	9.2	10.0	10.0	8	41.1	4.3	1
	CNIF 16-5	5	9.2	11.5	10.0	8	41.1	5.3	1

Nylon insulated blade terminals

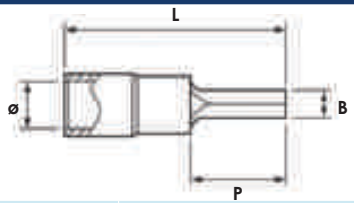
Nylon insulated terminals are made from electrolytic copper, rolled, tin plated and brazed. The interior of the nylon insulated sleeve is funnel shaped to ensure complete and easy introduction of the conductor strands.

SPECIFICATIONS

Material Electrolytic copper, rolled, tin plated and brazed. Interior nylon insulated.

Approvals BS EN 61238-1-2003 and BS 4579 bright electro tin plating to BS 1872: 1974.

Blade terminals Nylon insulated



CRT10-16 crimping tool p.322

Cable size (mm²)	Part number	Dimensions (mm) Ø	B	P	L	Pack quantity
10	CNIPT2-P12	8.0	4.3	14.5	35.1	1
16	CNIPT3-P14	9.2	5.5	18.0	41.1	1
25	CNIPT5-P16	11.1	6.8	20.3	45.0	1
35	CNIPT7-P20	13.6	8.0	24.5	55.0	1

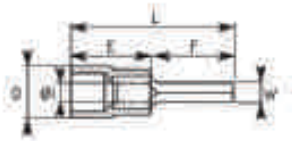
Polyamide insulated blade terminals

Our insulated brazed pin terminals are halogen-free, creating a secure and reliable electrical and mechanical connection. The insulation sleeve is made from polyamide while the terminal is made from tin plated copper.

SPECIFICATIONS

Material Tin plated copper with polyamide insulation sleeve.

Blade terminals Polyamide insulated



Cable size (mm²)	Part number	Dimensions (mm) W	F	L	E	Øi	D	Pack quantity
10	CNIPT10	4.3	12	34	20	4.5	7.8	1
16	CNIPT16	5.5	13	40.7	24.7	5.8	10.8	1
25	CNIPT25	6.8	15	44	24	7.0	12.4	1
35	CNIPT35	8.0	20	52.5	28	8.4	14.0	1
50	CNIPT50	9.5	20	59	33	9.6	15.5	1

CONNECT
Tools for copper tube terminals

Hand crimping tools for copper tube terminals

Terminals may be successfully and accurately crimped using Cablecraft's matched range of tooling, offering a solution for every application.

Cablecraft Rennsteig 624 032 3 For uninsulated terminals

This robust, reliable and easy to use crimping tool offers high performance and consistent crimping accuracy for uninsulated terminals from 0.5mm² - 10mm². Crimp performance complies with BS and International standards.



Part number	Tool length (mm)	For size (mm²)
RENN624 032 3	200	0.5 - 10

Cablecraft CRT 10-16 For uninsulated terminals

Ratchet tool for crimping copper tube and sheet terminals from 10mm² - 16mm².



Part number	Tool length (mm)	For size (mm²)
CRT 10-16	250	10 - 16

Cablecraft Rennsteig 624 033 3 For uninsulated terminals

Lightweight, robust ratchet tool for accurate crimping of copper tube and sheet terminals from 16mm² - 25 mm². Crimp performance complies with BS and International standards.



Part number	Tool length (mm)	For size (mm²)
RENN624 033 3	200	16 - 25

Cablecraft CRT 25 For uninsulated terminals

Tool for crimping copper tube and sheet terminals from 10mm² - 120mm².



Part number	Tool length (mm)	For size (mm²)
CRT 25	558	10 - 120

Cablecraft CRT 120-I For uninsulated terminals

Indent hand crimping tool with non-ratchet adjusting screw for terminals from 10mm² - 120mm².



Part number	Tool length (mm)	For size (mm²)
CRT 120-I	595	10 - 120

Cablecraft CRT 6-25 For uninsulated terminals

This copper tube ratchet tool is ideal for crimping uninsulated copper tube terminals from 6.0mm² to 25.0mm².



Part number	Tool length (mm)	For size (mm²)
CRT 6-25	365	6-25

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CONNECT
Tools for copper tube terminals

Hand crimping tools for copper tube terminals continued

Cablecraft CRT 50 For copper tube terminals

Hexagonal crimping tool for copper tube terminals from 6.0mm² to 50mm². Features a dial type head adjustment. A double crimp is required where possible along the tube barrel.



Part number	Tool length (mm)	For size (mm²)
CRT 50	390	6.0 -50.0

Cablecraft CRT 120 For copper tube terminals

Heavy duty hexagonal crimping tool for copper tube terminals from 10mm² to 120mm². Features a dial type head adjustment. A double crimp is required where possible along the tube barrel.



Part number	Tool length (mm)	For size (mm²)
CRT 120	620	10 - 120

Cablecraft CRT 150 For copper tube terminals

Heavy duty hexagonal crimping tool for copper tube terminals from 25mm² to 150mm². Features a dial type head adjustment. A double crimp is required where possible along the tube barrel.



Part number	Tool length (mm)	For size (mm²)
CRT 150	620	25 - 150

Cablecraft CRT 6 -150 For copper tube terminals


Part number	Tool length (mm)	For size (mm²)
CRT 6 - 150	420	6.0 -150

RA Rail Approved

A ratchet controlled, two hand operated professional tool that comes complete with three easily interchangeable dies for matched crimping of Cablecraft standard and HD terminals. Includes a steel case.

Spare die for CRT 6 -150	
Part number	Die (mm²)
CRT6 -150D-1	6,10, 70, 95
CRT6 -150D-2	16, 25, 35, 50
CRT6 -150D-3	120 and 150*

* These terminal sizes require a double crimp. For the second crimp allow a space of 2mm, thus creating a collar effect.

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CTT Crimping solutions

Hydraulic copper tube crimping tools

The hydraulic range introduces Cablecraft's matched range of tooling, providing a solution for every application.

CHT 150 For copper tube terminals

This hydraulic action crimp tool has a rotational head, which enables access to restricted areas. The die sets, which are sold separately, easily snap into the tool head and cover cable sizes from 6.0mm² to 150mm². Designed for use with Cablecraft Standard, HD and HDT terminals. Comes complete with case (colour may vary).

Part number	Tool dimensions (mm)	For size (mm²)
CHT 150	215 x 50 x 175	6.0 -150

Dies for CHT 150

Part number	Die (mm²)
CHT150D-6	6
CHT150D-10	10
CHT150D-16	16
CHT150D-25	25
CHT150D-35	35
CHT150D-50*	50
CHT150D-70*	70
CHT150D-95*	95
CHT150D-120*	120
CHT150D-150*	150

* These terminal sizes require a double crimp. For second crimp allow a space of 2mm, thus creating a collar effect.

CONNECT
Tools for copper tube terminals

CTT Crimping solutions

CHT 185 For copper tube terminals

This hydraulic action crimp tool has a rotational head, which enables access to restricted areas. Ideal for hexagonal compression of copper tube terminals. Comes complete with case and die sets 10-185mm².

Part number	Tool length (mm)	For size (mm²)
CHT 185	370	10 -185

Spare die sets for CHT 185

Part number	Die (mm²)
BDS120-10-150	10 &120
BDS150-150	150
BDS50-35-150	35 & 50
BDS70-25-150	25 & 70
BDS95-16-150	16 & 95
CHT185D-HD185	185

Hydraulic copper tube crimping tools continued

CBMHT300 For copper tube terminals

A bench mounted hydraulic tool offering an output of 6 tons, a maximum pressure of 700kg/cm² and a crimping range of 10 - 300mm². For use with a hydraulic pump, see page 333. Dies can be purchased separately.

Part number	Tool length (mm)	Max size (mm²)
CBMHT300	283	300

Dies for CBMHT300

Part number	Die (mm²)
CBMHT300D-10	10
CBMHT300D-16	16
CBMHT300D-25	25
CBMHT300D-35	35
CBMHT300D-50	50
CBMHT300D-70*	70
CBMHT300D-95*	95
CBMHT300D-120*	120
CBMHT300D-150*	150
CBMHT300D-185*	185
CBMHT300D-240*	240
CBMHT300D-300*	300

* These terminal sizes require a double crimp. For second crimp allow a space of 2mm, thus creating a collar effect.

Hydraulic copper tube crimping tools continued

CHT 400 For copper tube terminals

This hydraulic crimping tool has a rotational head which enables access to restricted areas. Ideal for hexagonal compression of copper tube terminals. It is supplied with die from 35mm² to 400mm² for crimping Cablecraft standard and HD copper tube terminals. All contained in a strong, convenient carrying case.

Part number	Tool length (mm)	For size (mm²)
CHT 400	636	35 - 400

Spare dies for CHT 400

Part number	Die (mm²)
CHT400D-10	10
CHT400D-16	16
CHT400D-25	25
CHT400D-35	35
CHT400D-50	50
CHT400D-70	70
CHT400D-95	95
CHT400D-120	120
CHT400D-150	150
CHT400D-185*	185
CHT400D-240*	240
CHT400D-300*	300
CHT400D-400*	400

* These terminal sizes require a double crimp. For second crimp allow a space of 2mm, thus creating a collar effect.

Hydraulic copper tube crimping tools continued

CHIT 400 For copper tube terminals

The CHIT 400 deep indent tool is suitable for terminals from 16- 400mm², supplied in a sturdy carrying case with deep indent dies included. Manufactured from forged alloy steel, the crimping dies are precision designed, and suitable to crimp Cablecraft nylon insulated copper tube terminals.

Part number	Size (mm²)	Tool length (mm)
CHIT 400	16 - 400	650mm

CHTFP 400H For copper tube terminals

The CHTFP 400H tool has a heavy duty hydraulic head and is used with the CHFP 2 foot pump. Suitable for terminals from 35-400mm², supplied in a sturdy carrying case with dies included.

Manufactured from forged alloy steel, the crimping dies are precision designed, and tested to crimp Cablecraft standard and HD range of copper tube terminals.

Part number	Size (mm²)
CHTFP 400H	35 - 400

CHTFP 630H For copper tube terminals

The CHTFP 630H tool has a heavy duty hydraulic head and is used with the CHFP 2 Foot Pump. Suitable for terminals from 35-630mm², supplied in a sturdy case with dies included.

Manufactured from forged alloy steel, the crimping dies are precision designed, and tested to crimp Cablecraft standard and HD range of copper tube terminals.

Part number	Size (mm²)
CHTFP 630H	35 - 630

Hydraulic copper tube crimping tools continued

CHTFP 1000H For copper tube terminals

The CHTFP 1000H tool has a heavy duty hydraulic head for use with the PM-1000 electric pump. Suitable for terminals from 500-1000mm². Dies are included.

Part number	Size (mm²)
CHTFP 1000H	500 - 1000

Cablecraft tool repair, test, inspection & certification service

Our in-house technicians calibrate, repair and inspect hand, ratchet and hydraulic tools to make sure your tools continue to work as they were designed to do when new.

Our services cover most needs from light duty repairs to ensuring performance to the British and Harmonised European Standards. Certificates are provided with all tests. Tools are inscribed with an individual serial number, thus guaranteeing traceability of performance and service history. This completely priced service has a standard turnaround of 7-10 working days.

Repairs
Basic repair covers the replacement of broken or worn parts only.

Inspection Certificate - For NEW light-duty tools
Includes inspection for correct operation, good crimp formation, correct series, dimensions and operation.

Test Certificate – Light-duty tools
Includes inspection for damage, wear and tear, correct operation and performance (checked with Go-No-Go gauges). The tool is lubricated, cleaned and issued with an inspection report.

Full Certification – Light-duty tools
Includes full inspection and a crimp tensile test, as required by British and European standards. The tensile test proves the crimp joints performed by the tool pass the required standard. Test results are recorded on the certificate.

Tensile Test – Light-duty tools
Cable and termination samples are required. Each sample must be prepared giving details of the cable size and tool identification. Samples are subjected to tensile testing, to ensure the crimp joints conform to the relevant standard. Test results are recorded on the certificate.

If you would like to receive a quotation please contact us at:
technical@cablecraft.co.uk

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Calibration, repair and service
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Hydraulic copper tube crimping tool kits

Foot pump included with kits!

CHTFP 400H Kit For copper tube terminals

The CHTFP 400H Kit includes a heavy duty hydraulic head, dies and a CHFP2 foot pump. The head and dies are suitable for terminals from 35-400mm², and are supplied in a sturdy case.

Manufactured from forged alloy steel, the crimping dies are precision designed, and tested to crimp Cablecraft standard and HD range of copper tube terminals.

Part number	Size (mm²)
CHTFP 400H KIT	35 - 400

CHTFP 630H Kit For copper tube terminals

The CHTFP 630H kit includes a heavy duty hydraulic head, dies and a CHFP2 foot pump. The head and dies are suitable for terminals from 35-630mm², and are supplied in a sturdy case.

Manufactured from forged alloy steel, the crimping dies are precision designed, and tested to crimp Cablecraft standard and HD range of copper tube terminals.

Part number	Size (mm²)
CHTFP 630H KIT	35 - 630

CHTFP 1000H Kit For copper tube terminals

The CHTFP 1000H kit includes a heavy duty hydraulic head, dies and a PM-1000 electric pump. The head and dies are suitable for terminals from 500-1000mm².

Part number	Size (mm²)
CHTFP 1000H KIT	500 - 1000

Hydraulic copper tube crimping tool accessories

CHFP 2 Foot pump

A foot operated, two stage hydraulic pump, developing a maximum pressure of 700kg/cm². Complete with automatic safety bypass valve when reaching maximum pressure. Recommended for use with CHTFP 400H and CHTFP 630H crimping heads.

Part number	Weight (Kg)	Length (mm)	Width (mm)	Height (mm)
CHFP 2	10	474	150	150

CHFP-1000PM Electric hydraulic pump

An electric hydraulic pump, developing a maximum pressure of 700kg/cm². For use with CHTFP 1000H crimping head.

Part number	Weight (Kg)	Length (mm)	Width (mm)	Height (mm)
CHTFP-1000PM	16.9	190	160	400

GA-1000 Pressure guage

The GA-1000 pressure gauge has a maximum pressure of 700kg/cm². To be used with the CHFP 2 foot pump.

Part number
GA-1000

TA-1000 Pressure guage

The TA-1000 pressure gauge has a maximum pressure of 700kg/cm². To be used with the CHT 400 and CHTFP 400H hydraulic crimping tool.

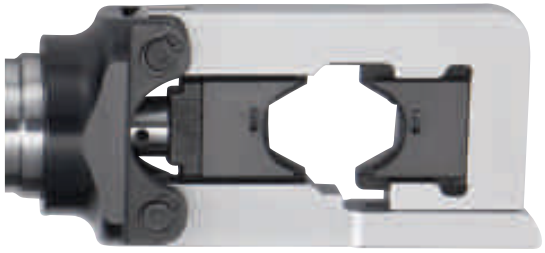
Part number
TA-1000

Battery operated copper tube crimping tools

The battery powered range offers high performance and speed options for powerful crimping.

CHT185-BATTERY TOOL Battery operated crimping tool

This mini battery crimping tool has a two stage hydraulic action. The head rotates 360° making this tool versatile for tight spaces. The head opens easily to change to the required crimping die. **Dies are included.**



Part number	Weight * (Kg)	Length (mm)	Width (mm)	Height (mm)
CHT185-BATTERY TOOL	3.2	470	100	70

*Weight is with battery

Spare dies for CHT 185-BATTERY

Part number	Die (mm²)
CHT185D-10	10
CHT185D-16	16
CHT185D-25	25
CHT185D-35	35
CHT185D-50	50
CHT185D-70	70
CHT185D-95	95
CHT185D-120	120
CHT185D-150	150
CHT185D-185	185

Spare battery for CHT 185-BATTERY

Part number	Description
CHT185-BATTERY	14.4V 3Ah battery

CHT400-BATTERY Battery operated crimping tool

The CHT400-BATTERY features a 2-stage 12 ton hydraulic system with fast feed and power stroke. The open C head rotates 360°. The high performance 18V 1.5Ah Li-Ion battery gives extended working time.
Complete with 35mm² to 400mm² interchangeable dies.

Part number	Weight * (Kg)	Length (mm)	Width (mm)	Height (mm)
CHT400-BATTERY	7.8	435	270	80

*Weight is without battery

Spare battery for CHT400-BATTERY & CHT400-BATTERY-S

Part number	Description
CHT400-B	18V 3Ah Li-Ion battery

CHT400-BATTERY-S Battery operated crimping tool with sensor

This tool is identical to the CHT400-BATTERY above but features a useful sensor. The sensor will display different colours to indicate the crimping result.
Dies included.

Part number	Weight * (Kg)	Length (mm)	Width (mm)	Height (mm)
CHT400-BATTERY-S	7.8	435	270	80

*Weight is without battery

Sensor display:

- **Green** - Well crimped and the motor has stopped
- **Orange** - Battery power is insufficient
- **Red** - Pressure/temperature are not right

Spare dies for CHT400-BATTERY & CHT400-BATTERY-S

Part number	Die (mm²)
CHT400D-10	10
CHT400D-16	16
CHT400D-25	25
CHT400D-35	35
CHT400D-50	50
CHT400D-70	70
CHT400D-95	95

Part number	Die (mm²)
CHT400D-120	120
CHT400D-150	150
CHT400D-185*	185
CHT400D-240*	240
CHT400D-300*	300
CHT400D-400*	400

* These terminal sizes require a double crimp. For second crimp allow a space of 2mm, thus creating a collar effect.

CABLECRAFT Tool Centre

Tool Calibration & Repair Service

Tool Repair Service

Tool Calibration Service

Our in-house technicians calibrate, repair and inspect not only Cablecraft hand, ratchet and hydraulic tools but also those supplied by most leading manufacturers. We offer a fast, efficient and flexible service including fast turnaround and excellent customer service!

Tools can be calibrated to:

- **Electrical Installation Standards BS-EN 60352-2-2006**
- **Rail Industry Standard RSE STD 024 Part 6**

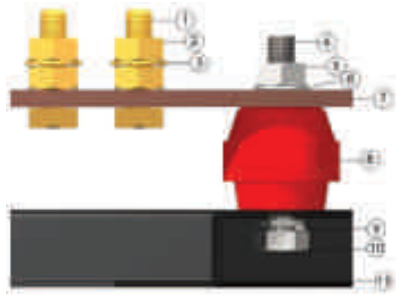
Visit our website for more details www.cablecraft.co.uk

Earth bars

Earth Bars are an effective way of providing a common earth point. They are manufactured from 50mm x 6.0mm copper bar complete with brass stud assemblies set on a galvanised steel channel base. They include 10mm studs, 35mm centres as standard.

Material specification

Earth bars are manufactured by highly skilled staff to high standards. The hard drawn copper bar is manufactured to BS 2874-C101/C103 and is RoHS 2 compliant.



Earth bar materials

Item	Description	Material
1	M10 x 35mm HEX SET	Brass
2	M10 full nut	Brass
3	M10 flat washer	Brass
4	M10 x 40mm all thread	Brass
5	M10 full nut	Brass
6	M10 flat washer	Brass
7	50 x 6mm copper bar	HDHC copper
8	M10 x 35mm insulator	Reinforced polyester with brass inserts
9	M10 spring washer	BZP mild steel
10	M10 x 12mm hex set	BZP mild steel
11	100 x 15mm base	Galvanised steel

Standard earth bars

Earth Bars are an effective and convenient way of providing a common earth point. They are manufactured from 50mm x 6.0mm copper bar complete with brass stud assemblies set on a galvanised steel channel base. They include 10mm studs, 35mm centres as standard.

Standard earth bars

Part number	Description	Dimensions (mm)			Pack qty
		Length	Width	Height	
EBAR6	6 way earth bar	275	100	90	1
EBAR8	8 way earth bar	345	100	90	1
EBAR10	10 way earth bar	415	100	90	1
EBAR12	12 way earth bar	485	100	90	1
EBAR14	14 way earth bar	590	100	90	1
EBAR16	16 way earth bar	660	100	90	1
EBAR18	18 way earth bar	730	100	90	1
EBAR20	20 way earth bar	800	100	90	1
EBAR22	22 way earth bar	870	100	90	1
EBAR24	24 way earth bar	940	100	90	1
EBAR26	26 way earth bar	1045	100	90	1
EBAR28	28 way earth bar	1115	100	90	1
EBAR30	30 way earth bar	1185	100	90	1

Disconnecting link

The disconnecting link is mainly used to offer a temporary break in the connection to earth allowing the testing of an earth rod whilst disconnecting from the lightning protection system.

Disconnecting link			
Code	Dimensions (mm)	Description	Pack qty
ELINK	125 x 100 x 90	Disconnecting link	1

Earth bar kit with single disconnecting link

Standard earth bars complete with single disconnecting link. The disconnecting link is mainly used to offer a temporary break in the connection to earth allowing the testing of an earth rod whilst disconnecting from the lightning protection system.

Standard earth bar kit with single disconnecting link					
Part number	Description	Dimensions (mm)			Pack quantity
		Length	Width	Height	
EBAR6-1	6 way earth bar & disconnect link	400	100	90	1
EBAR8-1	8 way earth bar & disconnect link	470	100	90	1
EBAR10-1	10 way earth bar & disconnect link	540	100	90	1
EBAR12-1	12 way earth bar & disconnect link	610	100	90	1
EBAR14-1	14 way earth bar & disconnect link	715	100	90	1
EBAR16-1	16 way earth bar & disconnect link	785	100	90	1
EBAR18-1	18 way earth bar & disconnect link	855	100	90	1
EBAR20-1	20 way earth bar & disconnect link	925	100	90	1
EBAR22-1	22 way earth bar & disconnect link	960	100	90	1
EBAR24-1	24 way earth bar & disconnect link	1065	100	90	1
EBAR26-1	26 way earth bar & disconnect link	1170	100	90	1
EBAR28-1	28 way earth bar & disconnect link	1205	100	90	1
EBAR30-1	30 way earth bar & disconnect link	1310	100	90	1

Earth bar kit with twin disconnecting links

Standard earth bars complete with a double disconnecting link. The disconnecting link is mainly used to offer a temporary break in the connection to earth allowing the testing of an earth rod whilst disconnecting from the lightning protection system.

Standard earth bars with twin disconnecting link					
Part number	Description	Dimensions (mm)			Pack quantity
		Length	Width	Height	
EBAR6-2	6 way earth bar & disconnect link	525	100	90	1
EBAR8-2	8 way earth bar & disconnect link	595	100	90	1
EBAR10-2	10 way earth bar & disconnect link	665	100	90	1
EBAR12-2	12 way earth bar & disconnect link	735	100	90	1
EBAR14-2	14 way earth bar & disconnect link	840	100	90	1
EBAR16-2	16 way earth bar & disconnect link	910	100	90	1
EBAR18-2	18 way earth bar & disconnect link	980	100	90	1
EBAR20-2	20 way earth bar & disconnect link	1050	100	90	1
EBAR22-2	22 way earth bar & disconnect link	1120	100	90	1
EBAR24-2	24 way earth bar & disconnect link	1190	100	90	1
EBAR26-2	26 way earth bar & disconnect link	1295	100	90	1
EBAR28-2	28 way earth bar & disconnect link	1365	100	90	1
EBAR30-2	30 way earth bar & disconnect link	1435	100	90	1

Earth bars to custom specification

We can manufacture any size, style or combination of bar(s) to your requirements. Our bars can also be supplied with different studs. Contact us to discuss your requirements.

technical@cablecraft.co.uk

*We can also manufacture Tin Plated Earth Bars, contact us for more details.

Braided leads, connectors and terminations

Cablecraft offers a range of flexible wire braid and related products, including sleeving braid, flexible connectors, terminations, flat braid and round braid.

Products overview

This guide looks at the various types of braid and their applications

Description	Typical uses	Key market sectors
Sleeving braid Screening braid or cable sleeve	- Screening of cables from electromagnetic, electrostatic and RF interference - Mechanical support - Protection against abrasion and corrosion - EMC & EMH applications	- Defence and aerospace - Transportation - Electronics & communication - Cable harness & assembly makers - Component distributors
Flexible connectors Flexible assemblies, earth bonding or ground straps	- Overcome vibration/alignment problems - Interconnects for L.V power distribution units - Earth connections - Battery connections - Cable jointing kits	- Defence and aerospace - Transport - Switchgear & control equipment - Power generation - Electrical equipment manufacturers
Flat and round braid	- Earth connections - Power interconnection - Lightening protection - Flexible links - Overcome vibration/alignment problems	- Defence and aerospace - Rail transportation - Automative electronics - General electrical sector

CONNECT
Earth bars and braided products

CTT Crimping solutions

Standard tin plated copper sleeving braid

Sleeving braid is used to provide sensitive cables with an EMC screen to shield them against electromagnetic, electrostatic and radio-frequency interference.

MATERIALS

- Supplied in high grade tin-plated copper
- Option to supply alternative materials, please contact Cablecraft for more information: technical@cablecraft.co.uk

SPECIFICATIONS

Material
High-grade tin plated copper

Service temperature range
-65˚C to +150˚C

Approvals
Conforms to BS EN13602:2008 and ASTM B33. RoHS 2 compliant.

FEATURES

- Industry standard coverage of 90% or 95%
- Wide range - from 2mm up to 70mm Ø
- Excellent expansion ratios
- Normally supplied on removable PVC former
- Options for bespoke requirements
- Packed on reels
- Option to supply in pre-cut lengths

Standard tin plated copper sleeving braid

Part number	Former O/D (mm)	Minimum optical coverage	Wire Ø (mm)	Usable Ø (mm)		Reel length (m)
				Min	Max	
CMBS 3.0	3.0	90%	0.13	2.0	3.5	100
CMBS 4.0	4.0	90%	0.13	3.0	5.0	100
CMBS 5.0	5.0	90%	0.13	4.0	6.0	100
CMBS 6.0	6.0	90%	0.13	5.0	7.0	100
CMBS 10.0	10.0	90%	0.16	7.0	12.0	50
CMBS 12.5	12.5	90%	0.16	11.0	13.0	50
CMBS 15.0	15.0	90%	0.20	13.0	18.0	50
CMBS 20.0	20.0	90%	0.13	17.0	23.0	50
CMBS 25.0	25.0	90%	0.13	22.0	28.0	50
CMBS 30.0	30.0	90%	0.16	27.0	36.0	50
CMBS 95 3.0	3.0	95%	0.10	2.5	5.0	100
CMBS 95 4.0	4.0	95%	0.13	3.5	7.5	100
CMBS 95 6.0	6.0	95%	0.13	4.5	9.5	100
CMBS 95 7.5	7.5	95%	0.13	7.0	14.0	100
CMBS 95 10.0	10.0	95%	0.13	8.0	22.0	100
CMBS 95 12.5	12.5	95%	0.13	11.0	24.0	100
CMBS 95 15.0	15.0	95%	0.13	13.0	18.0	100
CMBS 95 20.0	20.0	95%	0.13	16.0	38.0	100
CMBS 95 25.0	25.0	95%	0.13	22.0	38.0	50
CMBS 95 30.0	30.0	95%	0.16	27.0	40.0	50
CMBS 95 35.0	35.0	95%	0.16	30.0	50.0	50
CMBS 95 40.0	40.0	95%	0.20	35.0	60.0	50

Rounded and flat braided earth leads

High grade tin plated copper braided earth leads are available in a variety of sizes to suit many different applications. Typically used in automotive, aerospace, mass transit and other industrial applications.

SPECIFICATIONS

Material
High-grade tin plated copper. Brazed seam terminal construction. High flexibility braid for high vibration areas.

Approvals
Conforms to BS4109.
UL & CSA Listed terminals. bright electro tin plating to BS 1872: 1974. RoHS 2 compliant.

Braided earth leads

Part number	Stud size	Current rating Amps	Braid type	Dimensions		Pack quantity
				Nom. area mm²	Length mm	
BEL493	6	45	Round	4	93	1
BEL4200		45	Round	4	200	1
BEL75100		63	Flat	7.8	100	1
BEL75250		63	Flat	7.8	250	1
BEL10150		90	Flat	10	150	1
BEL10300		90	Flat	10	300	1
BEL16150		120	Round	16	150	1
BEL16300		120	Round	16	300	1
BEL25200	10	150	Flat	25	200	1
BEL25400		150	Flat	25	400	1
BEL35200		200	Flat	35	200	1
BEL35400		200	Flat	35	400	1
BEL50200		250	Flat	50	200	1
BEL50400		250	Flat	50	400	1

Custom braided leads can be manufactured to your specification, see page 344.

Flat braided earth leads - Reels

High grade tin plated braided earth lead on a reel is available in a variety of sizes to suit many different applications. Typically used in automotive, aerospace, mass transit and other industrial applications.

SPECIFICATIONS

Material
High grade tin plated copper. High flexibility braid for high vibration areas.

Approvals
Conforms to BS4109.
UL & CSA Listed Terminals. bright electro tin plating to BS 1872: 1974. RoHS 2 compliant.

Flat braided earth lead Reels

Part number	Current rating Amps	Reel length (m)	Dimensions		Pack quantity
			Nom. area mm²	Width x height mm	
FCB10	10	25	0.5	2 x 0.6	1
FCB30	30	25	1.7	5 x 0.7	1
FCB63	63	25	7.8	10 x 2	1
FCB90	90	25	10	12 x 2.3	1
FCB120	120	25	16	19 x 2.3	1
FCB150	150	25	25	25 x 3	1
FCB200	200	25	35	25 x 3.5	1

SPECIAL APPLICATION SERVICE

Custom flexible connectors

Custom made to the specification for your project, flexible connectors are made from either braid or strand and terminated.

Send the details (see below) of your special application to our design and manufacturing team in the form of a sketch or diagram, complete with all dimensions and quantities. They will provide the answer and a quote.

technical@cablecraft.co.uk

If you would like advice, please telephone our experienced and friendly team:

t **0800 0280 134**

FEATURES

- Complete product ready to fit
- Custom built to meet specific mechanical and electrical performance criteria
- Option to manufacture to drawing or replicate existing product
- Current ratings up to 400A
- Wide range of terminations available
- Can be supplied with solder 'water block' barrier to prevent water absorption
- Available with various types of insulation
- Option to fit identification markers

CHOICE OF MATERIALS

- Electro-tin plated copper
- Plain copper
- Nickel-plated copper
- Stainless steel
- Alternative non-ferrous & ferrous materials on request

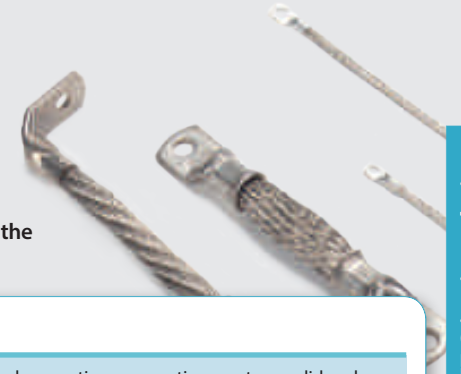
HOW TO ORDER

When ordering connectors please supply the following information:

OL Overall length
L Length between hole centres
D Hole diameter
M Material and cross sectional area
TT Termination type

SPECIAL APPLICATION SERVICE

Custom terminations



We offer a wide range of termination types. These ensure that the correct mechanical bond between the conductor and the fixing down point is achieved.

FEATURES

Flat tube compressed ferrule 	- Excellent mechanical properties: compaction creates a solid end - Maximum conductivity with minimum volt drop = reduced thermal resistance - Ends can be drilled, milled, machined and profiled to meet mechanical demand - Custom design configurations for individual applications
Crimp terminal 	- Economical solution for low current applications - Wide range of sizes available - Types to meet most applications - tube, ring, sheet, bootlace - Insulated options available - Option to fit customer nominated versions
Swaged ferrule 	- Customised for dimensionally critical applications - Reduced assembly costs - Excellent conductive performance - Minimal heat-rise - Varying lengths, diameters and profiles
Ultrasonically welded ends 	- Low cost alternative to the swaged ferrule - No reduction in technical performance - Forms solid end throughout the whole of the material - Consistent results - ultra low rejects - Lower unit costs owing to high manufacturing productivity
Solder dipped ends 	- Alternative to compressed ferrules - Suitable for low current applications - Excellent electrical performance - Provides direct contact with conductor - Acts as a moisture block
Special terminations 	- Custom designed solutions for bespoke applications - Built for optimum results - Reduces technical risk for critical applications - Modified standard options utilising stock components - High current applications e.g 480mm² 32kA earth terminal

Send the details (dimensions/quantities) and a sketch of your special application to our design and manufacturing team:

technical@cablecraft.co.uk

For advice, telephone our experienced and friendly team:

t **0800 0280 134**