



EARTHMETLTD



T: 0121 636 0860
www.earthmet.co.uk

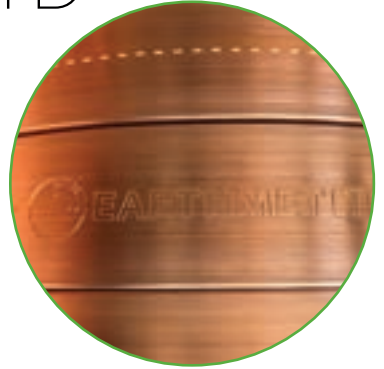
**2025 Comprehensive
Material Handbook**



EARTHMET LTD

THINK EARTHING... THINK EARTHMET

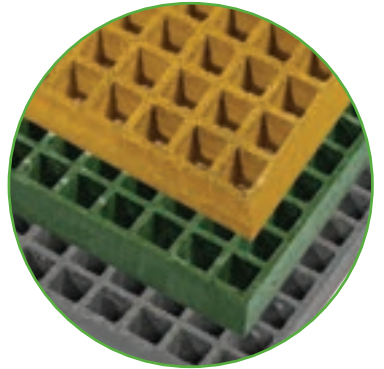
- **Copper Cable**
- **Copper Tape**
- **PVC Covered Copper Tape**



- **Power Cable**
- **Triplex**
- **Wave form**
- **Service Cable**



- **GRP Flooring**
- **Earthing & Power Cable Accessories**



- **nVent Cadweld**
- **Product Training & Awareness**
- **UK Distributor**



T: 0121 636 0860

E: sales@earthmet.co.uk





Earthmet Ltd have over 40 years expertise and experience in the Substation, Renewable and Lightning Protection Industries and can help you develop and grow your business, through innovative and hands on partnerships.

Our client areas include:-

Electricity Substations

Renewable Energy

Rail Networks

Oil and Gas

Mobile Mast Sites

Lightning Protection

We offer a guaranteed 24 hour delivery service on all items supplied from our extensive stock range, including evenings and weekends and our lines are open 24 hours a day, 7 days a week as we understand the importance of out of hour requests.

We are committed to the ideology of Quality and Service and this commitment follows through to all aspects of the company including manufacture, development and our customer support and service.

Please let us show you how we can be of benefit to your company by contacting us on 0121 636 0860 or email us on sales@earthmet.co.uk

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**DNO and IDNO
approved cables at
competitive prices**



EARTHMET LTD

11kv Triplex, Waveform, Service Cable aswell as a full range of Bare Copper (Hard and Soft, 6491x and 6491B all available from stock)

Nationwide Deliveries



Nationwide deliveries through our **24 hour specialist cable courier** network.No matter how big or small ...we deliver

Call Off Orders



Don't want to keep all your stock on site? Not a problem, Earthmet offer a **conclusive call off order system**.
Price agreed in advance.
Call - Order - Wait for it to arrive

Same Day Deliveries



Missed something off your order? Need approved materials on site asap? Look no further. Earthmet offer a Same Day Service, whether it be a **Parcel, Pallet** or **HIAB** delivery

Nexans



TRATOS[®]Tt

NKT

kabeltec
MEMBER OF KABELTEC GROUP

HELLENIC CABLES
Member of CENERGY HOLDINGS

Scabelte

...plus many more



**Electrify the
utilities of
tomorrow**



NATIONAL GRID ELECTRICITY DISTRIBUTION (NGED)

DNO PRODUCT CODE	DESCRIPTION	PRICE PER KM
41337	11kV 95mm ² AL Triplex	POA
41338	11kV 185mm ² AL Triplex	POA
41339	11kV 300mm ² AL Triplex	POA
41340	11kV 300mm ² Cu Triplex	POA

SCOTTISH AND SOUTHERN ENERGY (SSE)

DNO PRODUCT CODE	DESCRIPTION	PRICE PER KM
015024/015061	11kV 3core AL 150mm ²	POA
015037/015065	11kV 3core AL 240mm ²	POA
015041/015066	11kV 3core AL 300mm ²	POA

UK POWER NETWORKS (UKPN)

DNO PRODUCT CODE	DESCRIPTION	PRICE PER KM
06010K	11kV 185mm ² AL Triplex	POA
06011U	11kV 300mm ² AL Trpilex	POA
06013P	11kV 300mm ² Cu Triplex	POA

SCOTTISH POWER ENERGY NETWORKS (SPEN)

DNO PRODUCT CODE	DESCRIPTION	PRICE PER KM
30980100	95mm ² circular solid AL	POA
30980101	185mm ² circular solid AL	POA
30980102	300mm ² circular solid AL	POA

DNO PRODUCT CODE	WAVEFORM DESCRIPTION	PRICE PER KM
05577P	3 core 95mm ²	POA
05579J	3 core 185mm ²	POA
05587X	3 core 300mm ²	POA

Price for stock drum lengths

Call us on **T:** 0121 636 0860 **W:** www.earthmet.co.uk

E: sales@earthmet.co.uk



WHAT CAN WE DO FOR YOU ? ADDED VALUE SERVICES FOR UK CUSTOMERS

OUR APPROVALS :

- UK Power Networks (UKPN) - 11kV, 33kV and LV Waveform
- Scottish and Southern Energy (SSE) - 11kV, 33kV and LV Waveform
- National Grid Electricity Distribution (NGED) - 11kV
- Scottish Power Energy Networks (SPEN) - 11kV
- Northern Power Grid (NPG) - 33kV

Quotes for any products not listed in our pricelist available on request

OUR CAPABILITIES :

Significant stock

- 6,000m² warehouse facilities
- 4,500m² yard
- £6m stock holding
- Stocking profile includes : MV & Waveform cable, NX600, H07RN-F

Cutting facilities :

- 10 cutting machines

Logistics performance

- 24/48h delivery
- 95-98% OTIF

OUR SERVICES :

- Significant stock for flow business (day to day)
- Stocking solutions for projects
- Help with production selection
- Product regulations/compliance
- Technical training
- Drum collection and recycling
- Metal recycling capability

Prices apply to standard drum lengths and transport does not include offload.

Additional transport costs (i.e. Hiab) may be charged additionally

Please note prices subject to change in event of significant changes in metal rates



NKT CABLES

Group	Cable description	sqmm	drum length	NKT code	price/km (GBP)
1kV					
	Waveform	3x95	250.0	110501001D0250	POA
	Waveform	3x95	1500.0	110501001D1500	POA
	Waveform	3x185	250.0	110501002D0250	POA
	Waveform	3x185	500.0	110501002D0500	POA
	Waveform	3x300	250.0	110501003D0250	POA
	Waveform	3x300	500.0	110501003D0500	POA
	Waveform	4x95	250.0	110503001D0250	POA
	Waveform	4x185	250.0	110503002D0250	POA
	Waveform	4x300	250.0	110503003D0250	POA
	Waveform, LSOH*	3x95	250.0	110502001D0250	POA
	Waveform, LSOH*	3x185	250.0	110502002D0250	POA
	Waveform, LSOH*	4x185	250.0	110504002D0250	POA
11 kV Single Core					
	Single Core XLPE-AL	1x185RE+35	500.0	120212002D0500	POA
	Single Core XLPE-AL	1x300RE+35	250.0	120212005D0250	POA
11kv 3 Core					
	3 Core XLPE-AL	3x95+70 (SPEN)	250.0	120804001D0250	POA
	3 Core XLPE-AL	3x185+95 (SPEN)	250.0	120804002D0250	POA
	3 Core XLPE-AL	3x240+95 (SPEN)	250.0	120804003D0250	POA
	3 Core XLPE-AL	3x300+95 (SPEN)	250.0	120804004D0250	POA
	3 Core XLPE-AL	3x150RE+60 (SSE)	250.0	120807001D0250	POA
	3 Core XLPE-AL	3x240RE+60 (SSE)	250.0	120807002D0250	POA
	3 Core XLPE-AL	3x300RE+60 (SSE)	250.0	120807003D0250	POA
11 kV Triplex NPG & ENW					
	XLPE-AL Triplex	3x1x95+35	250.0	120906001D1000	POA
	XLPE-AL Triplex	3x1x185+35	250.0	120906003D0250	POA
	XLPE-AL Triplex	3x1x300+35	250.0	120906005D0250	POA
11 kV Triplex UKPN Spec.					
	XLPE-AL Triplex	3x1x95RE+58AL	500.0	120903001D0500	POA
	XLPE-AL Triplex	3x1x185RE+115AL	250.0	120903002D0250	POA
	XLPE-AL Triplex	3x1x185RE+115AL	500.0	120903002D0500	POA
	XLPE-AL Triplex	3x1x300RE+115AL	250.0	120903003D0250	POA
	XLPE-AL Triplex	3x1x300RE+115AL	500.0	120903003D0500	POA
	XLPE-Cu Triplex	3x1x185RE+115AL	250.0	122901001D0250	POA
	XLPE-Cu Triplex	3x1x300RE+115AL	250.0	122901002D0250	POA

Service Cable CNE					
	CNE CU	1x4	100.0	112715002S0100	POA
	CNE CU	1x4	250.0	112715002S0250	POA
	CNE CU	1x16	100.0	112715001D0100	POA
	CNE CU	1x16	250.0	112715001D0250	POA
	CNE AL	1x25	100.0	110715002S0100	POA
	CNE AL	1x25	250.0	110715002D0250	POA
	CNE AL	1x25	3000.0	110715002D3000	POA
	CNE AL	1x35	100.0	110715003S0100	POA
	CNE AL	1x35	250.0	110715003D0250	POA
	CNE AL	1x35	3000.0	110715003D3000	POA
	CNE AL LSZH	1x35	100.0	110716001D0100	POA
	CNE AL LSZH	1x35	250.0	110716001D0250	POA
	CNE AL	3x25	250.0	110715001D0250	POA
	CNE AL	3x35	250.0	110715004D0250	POA
	CNE AL LSZH	3x35	250.0	110716002D0250	POA
	SNE CU	1x4	250.0	112713001S0250	POA
	SNE CU	1x16	250.0	112713003D0250	POA
	SNE AL	1x25	100.0	110713001D0100	POA
	SNE AL	1x25	250.0	110713001D0250	POA
	SNE AL	1x35	100.0	110713003D0100	POA
	SNE AL	1x35	250.0	110713003D0250	POA
	SNE AL LSZH	1x25	250.0	110714003D0250	POA
	SNE AL LSZH	1x25	100.0	110714003D0100	POA
	SNE AL LSZH	1x35	100.0	110714002D0100	POA
	SNE AL LSZH	1x35	250.0	110714002D0250	POA
	SNE AL	3x35	250.0	110713002D0250	POA
	SNE AL LSZH	3x35	250.0	110714001D0250	POA

CONDUCTORS

HARD DRAWN COPPER CONDUCTORS

35mm² (7/2.5)

50mm² (7/3)

70mm² (7/3.55)

95mm² (19/2.52)

120mm² (19/2.8)

150mm² (19/3.2)

185mm² (19/3.55)

240mm² (61/2.25)

300mm² (61/2.52)

Other sizes available on request



SOFT DRAWN COPPER CONDUCTORS

6mm² (7/1.04)

95mm² (19/2.52)

10mm² (7/1.35)

120mm² (37/2.03)

16mm² (7/1.7)

150mm² (37/2.25)

25mm² (7/2.14)

185mm² (37/2.52)

35mm² (7/2.52)

240mm² (61/2.25)

50mm² (19/1.78)

300mm² (61/2.25)

70mm² (19/2.14)

400mm² (61/2.85)

Other sizes available on request



TRI-RATED, 6491X AND 6491B PVC CABLES

6mm² (7 x 1.04)

95mm² (7 x 2.52)

10mm² (7 x 1.35)

120mm² (37 x 2.03)

16mm² (7 x 1.70)

150mm² (37 x 2.25)

25mm² (7 x 2.14)

185mm² (37 x 2.52)

35mm² (7 x 2.52)

240mm² (61 x 2.25)

50mm² (19 x 1.78)

300mm² (61 x 2.52)

70mm² (7 x 2.14)

400mm² (61 x 2.85)

Can also be supplied in Black PVC and Double Insulated PVC



TINNED COPPER CABLE

35mm²

120mm²

50mm²

150mm²

50mm²

185mm²

70mm²

240mm²

70mm²

300mm²

95mm²

Other sizes available on request



STAINLESS STEEL CONDUCTOR

50mm² (7 x 19)

70mm² (7 x 19)



GALVANISED STEEL CONDUCTOR

8mm (7 x 19)

10mm (7 x 19)



'C' CRIMP CONNECTORS

To suit 10mm² up to 300mm² conductor



H CRIMP CONNECTORS

Description - 50mm² to 120mm²



HIGH STRENGTH SPLIT BOLT CONNECTORS

For 4mm² up to 185mm² Copper



BARE COPPER TAPES

12.5mm x 1.5mm	31mm x 3mm	40mm x 5mm	
20mm x 3mm	31.5mm x 4mm	40mm x 6mm	
25mm x 1.5mm	31mm x 6mm	40mm x 6.3mm	
25mm x 3mm	38mm x 3mm	50mm x 3mm	
25mm x 4mm	38mm x 5mm	50mm x 4mm	
25mm x 6mm	38mm x 6mm	50mm x 6mm	
30mm x 3mm	40mm x 3mm	50mm x 6.3mm	
30mm x 5mm	40mm x 4mm	50mm x 7mm	50mm x 8mm

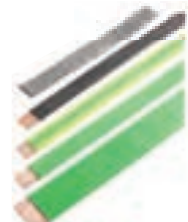
Can be supplied plain or logo'd to your companies specification



Also supplied pre-tinned

PVC COVERED TAPES

12mm x 1.5mm	30mm x 3mm
20mm x 3mm	40mm x 4mm
25mm x 3mm	40mm x 6mm
25mm x 6mm	50mm x 6mm



BARE ALUMINIUM TAPES

12mm x 1.5mm	30mm x 3mm
20mm x 3mm	40mm x 6mm
25mm x 3mm	50mm x 6mm
25mm x 6mm	60mm x 6mm

Can be supplied plain or logo'd to your companies specification



GALVANISED STEEL STRIP

30mm x 3.5mm



STAINLESS STEEL STRIP

30mm x 3.5mm



STAINLESS STEEL ROUND WIRE

8mm
10mm



GALVANISED STEEL ROUND WIRE

8mm
10mm



BARE PERFORATED COPPER TAPE

25mm x 1.5mm



BARE COPPER FLAT BRAIDS

12mm x 1mm 25mm x 3.5mm

15mm x 1.5mm 30mm x 5mm

19mm x 2.5mm 32mm x 6mm

23mm x 2mm



TINNED COPPER FLAT BRAIDS

12mm x 1mm 25mm x 3.5mm

15mm x 1.5mm 30mm x 5mm

19mm x 2.5mm 32mm x 6mm

23mm x 2mm



BARE COPPER ROUND BRAIDS

6mm²

10mm²

16mm²

25mm²

35mm²

50mm²



TINNED COPPER ROUND BRAIDS

6mm²

10mm²

16mm²

25mm²

35mm²

50mm²



Other braided sizes and constructions are available on request

COPPER PRODUCTS

COPPER FLAT BARS

Sizes Available

25mm x 3mm

25mm x 6mm

40mm x 6mm

40mm x 10mm

50mm x 6mm

50mm x 8mm

50mm x 10mm

60mm x 6mm

60mm x 10mm

100mm x 6mm

100mm x 10mm

125mm x 6mm

150mm x 6mm

150mm x 10mm

Can be supplied Bright Electro Tinned and cut to length



FABRICATED COMPONENTS

Earthmet now boast one of the UK's largest capacity for fabricated copper components for the electrical and power industries. These include:-

- 3 x Automatic hole punch machines
- 1 x EHRT bending machine
- 2 x Euromac 500 Digibend
- 3 x Drilling Station
- 2 x CNC Bandsaws
- 1 x CNC Circular saw
- 1 x CNC Vertical Milling Centre
- 3 x Linishing stations

Our processes include:

- Machining
- Punching
- Bending
- Folding
- Turning
- Tapping
- Digital Machining
- Brazing
- Welding
- Cladding
- Silvering/Tinning/Nickel Plating
- Assembly
- Kits



SILFOS

Silfos is an alloy of silver, phosphorous and copper. It is used to braze copper to copper in air without the use of flux.

Available in 50mm x 0.12mm x 8m



FITTINGS

EARTH RODS

Copperbonded Earth Rods

1/2" x 1.2m, 1/2" x 1.5m, 1/2" x 1.8m,

5/8" x 1.2m, 5/8" x 1.5m, 5/8" x 1.8m, 5/8" x 2.4m, 5/8" x 3m

3/4" x 1.2m, 3/4" x 1.5m, 3/4" x 1.8m, 3/4" x 2.4m, 3/4" x 3m

Solid Copper Earth Rods

15mm x 1.2m

16mm x 1.5m, 16mm x 1.8m, 16mm x 2.4m, 16mm x 3m,

20mm x 1.2m, 20mm x 1.5m, 20mm x 1.8m, 20mm x 2.4m, 20mm x 3m

25mm x 1.2m, 25mm x 1.5m, 25mm x 1.8m, 25mm x 2.4m, 25mm x 3m

Stainless Steel Rods

15mm x 1.2m

16mm x 1.5m, 16mm x 1.8m, 16mm x 2.4m, 16mm x 3m,

20mm x 1.2m, 20mm x 1.5m, 20mm x 1.8m, 20mm x 2.4m, 20mm x 3m

25mm x 1.2m, 25mm x 1.5m, 25mm x 1.8m, 25mm x 2.4m, 25mm x 3m



COUPLERS

1/2" 5/8" 3/4"



DRIVING STUDS

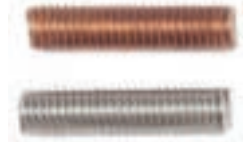
1/2" 5/8" 3/4"



COUPLING DOWELS

M10 x 40mm

M12 x 50mm



DRIVING SPIKES

M10 x 40mm

M12 x 50mm



METAL CLIPS

25mm x 3mm up to 50mm x 6mm



PLASTIC CLIPS

25mm x 3mm up to 80mm x 6mm

Supplied in Black Polypropylene (B) and Fire Retardant Polypropylene (FR)



ONE HOLE PLASTIC CABLE CLAMPS

10mm dia up to 57mm dia

Supplied in Black Polypropylene (B) and Fire Retardant Polypropylene (FR)



TWO HOLE PLASTIC CABLE CLAMPS

38mm dia p to 135mm dia

Supplied in Black Polypropylene (B) and Fire Retardant Polypropylene (FR)



ROD TO TAPE CLAMPS (Type A)

1/2" to 1" rod and 25mm x 3mm to 50mm x 8mm



ROD TO CABLE CLAMPS (Type G)

3/8" to 1" rod and 6mm² to 150mm² Cable



'U' BOLT ROD CLAMPS (Type E)

1/2" dia up to 2" dia

Can be supplied with additional plate to allow tape to be clamped without drilling



'U' BOLT ROD CLAMPS (Type GUV)

1/2" Dia to 1" dia and 16mm² up to 300mm²



EARTH INSPECTION HOUSING

Heavy Duty

306mm L x 306mm W x 216mm H

Polypropylene base with GRP lid. Lid supplied in both Black and Grey

Light Duty

260mm L x 260mm W x 230mm H

Polypropylene. Lid supplied in both Black and Grey

Concrete Earth

315mm L x 315mm W x 170mm H



INSPECTION HOUSING EARTH BARS

Supplied as both 5 hole and 7 hole bars



REBAR CLAMPS

10mm to 40mm dia Rebar or Conductor



TOWER EARTH CLAMPS

For bonding Copper Cable on to Steel structures

16mm² up to 240mm²



B BONDS

For bonding Tape to Steel structures



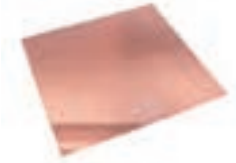
EARTH MAT - SOLID COPPER

600mm x 600mm x 1.5mm

600mm x 600mm x 3mm

900mm x 900mm x 1.5mm

900mm x 900mm x 3mm



EARTH BARS

Available in a variety of sizes and specifications and can be manufactured to customer requirements.

From 6 way up to 30 way. Can be supplied with and without single and twin disconnecting links



DISCONNECTING LINKS

120mm L x 45mm W x 45mm H



COMPRESSION TERMINALS

To suit 6mm² up to 800mm² conductor

In M8, M10, M12, M14, M16 and M20 hole sizes

Tin Plated Copper



CABLE TERMINATION LUGS

Suitable from 6mm² up to 150mm²

Supplied in Brass



FLEXIBLE COPPER BRAID BONDS

12mm x 1mm up to 50mm x 8mm in made to order lengths

Supplied Plain and Tinned



INSULATORS

Supplied with or without studs and locking nuts.
M10 thread size in reinforced Polyester



EARTH BONDING POINTS

Bonding points only

1 hole x 38mm x 38mm

2 hole x 70mm x 35mm

4 hole x 65mm x 65mm

Bonding points with pre-welded tails (70mm² PVC)

1 hole x 500mm long

2 hole x 500mm, 1000mm and 1500mm long

4 hole x 500mm, 1000mm and 1500mm long



EARTH BOSSES

40mm dia x 30mm and 40mm Long

50mm dia x 30mm, 40mm and 50mm long

Mild Steel with S/S fittings



STATIC EARTH BARS

350mm L x 100mm H.

Supplied in Phosphor Bronze



EARTH ROD SEALS

Suitable for 5/8" and 3/4" rods.

Supplied in plastic



STATIC EARTH RECEPTACLES

135mm H x 125mm D.

Supplied in Gunmetal



BENTONITE

A clay used as an earth electrode backfill to reduce soil resistivity, by retaining moisture. Supplied in 20kg granular and powder forms



MARCONITE LOW RESISTANCE EARTHING COMPOUND

When mixed with cement and water, this compound forms a high strength, electrically conductive concrete to last for the life of the system.

Supplied in 10kg and 25kg only and 25kg pre-mixed with cement



GEM GROUND ENHANCEMENT MATERIAL

GEM is a low-resistance, non-corrosive, carbon-based superior conductive material that improves grounding effectiveness, especially in areas of poor conductivity such as rocky ground, mountain tops and sandy soil. GEM is also the answer in situations where ground rods can't be driven or where limited land area makes adequate grounding difficult with conventional methods.



CONDUCRETE GROUND ENHANCEMENT MATERIAL

Description - Conducrete® is designed to dramatically enhance the performance of grounding and CP systems. This conductive cementitious and carbonaceous material is environmentally neutral, theft-resistant, maintenance-free, and it'll last in excess of 25 years.

Conducrete® can store and release energy the same way that a capacitor will store energy until it is grounded or allowed to release the energy into a circuit. The material absorbs high rise time electrical surges keeping ground potential rise in check and preventing damage.



'C' CRIMP CONNECTORS

To suit 10mm² up to 300mm² conductor

Supplied in Plain Copper



PIPE CLAMPS

Suitable for 1/2" up to 12" pipe diameter



LATTICE MATS

Solid copper lattice mats offer a more economical option to installing solid copper plates or can be used as an alternative to an Earthrod if the ground is too hard.

Made from 25x3 copper, they are often used for potential grading and are a preferred option on installations such as Electrical Vehicle Charging points (EV Charging) and Telecoms. Our lattice mats are designed to minimise the danger of exposure to high step and touch voltages to operators in situations such as high voltage switching.

These are usually placed 1 metre in the ground and, due to the surface area, will generate good readings.



Size	Surface Area	Weight
300 X 300 x 3MM	0.08M2	1.10KG
600 X 600 x 3MM	0.31M2	3.98KG
900 x 900 x 3MM	0.65M2	7.20KG

Earthmet also now offer lattice mats with pre-welded tails of 70MM green/yellow cable attached, making them easier to install.



Size	Surface Area	Weight
300 X 300 x 3MM C/W 70MM G/Y Tails (4M)	0.08M2	3.60KG
600 x 600 x 3MM C/W 70MM G/Y Tails (4M)	0.31M2	5.98KG
900 x 900 x 3MM C/W 70MM G/Y Tails (4M)	0.65M2	9.20KG

LIGHTNING PROTECTION

TAPE CLIPS

12.5mm x 1.5mm up to 50mm x 7mm



AIR ROD SADDLES

- a) Light Duty – M16 and M20 in both Gunmetal and Aluminium
- b) Ridge Saddles – M16 in both Gunmetal and Aluminium
- c) Flat – M16 in both Gunmetal and Aluminium
- d) Multi purpose – M10 in both Gunmetal and Aluminium
- e) Cable Saddles – M16 in Gunmetal



COUPLINGS

- a) Rod to Tape Couplings - M16 and M20 in Gunmetal and Aluminium
- b) Rod to Cable Couplings - M16 in Gunmetal for 50mm² and 70mm² Cable



SLATE HOLDFASTS

25mm x 3mm Copper and Aluminium Tapes bare and PVC covered



SIDE MOUNTING AIR ROD BRACKETS

16mm and 20mm diameter



AIR RODS

- a) Tapered – M16 x 300mm, 500mm, 1000mm, 1500mm and 2000mm in both Copper and Aluminium
- b) Non Tapered – M10 x 500mm, 1000mm in both Copper and Aluminium



FREE-STANDING AIR TERMINAL SUPPORTS

- a) Square plate support for use up to 4m terminal height.
 - b) Tripod Support for use between 4.5m and 10m terminal height.
 - c) Quad Support for use between 11m and 12m terminal height.
- Supplied in Stainless Steel



FREE-STANDING AIR TERMINALS

From 3m up to 12m Terminal Height



MULTI-POINTS

16mm and 20mm diameter



STRIKE PADS

Supplied in both Copper and Aluminium



BACK PLATE HOLDFASTS

For use with Copper Tapes



GLAZING BAR HOLDFASTS

35mm L x 22mm W x 20mm H

Supplied in Gun Metal and Aluminium



EARTHING CLAMPS

- a) **Square Tape Clamp** – 25mm x 3mm, 25mm x 4mm, 25mm x 6mm, 31mm x 3mm, 38mm x 6mm, 40mm x 4mm, 50mm x 3mm, 50mm x 6mm.
Supplied in both Gunmetal and Aluminium
- b) **Oblong Junction Clamp** – To suit up to 26mm x 8mm and 51mm x 10mm conductor. Supplied in both Copper and Aluminium
- c) **Plate Type Test Clamp** – To suit up to 26mm x 15mm conductor. Supplied in Gunmetal and Aluminium.
- d) **Screw Down Test Clamp** – To suit up to 26mm x 8mm conductor. Supplied in Gunmetal.
- e) **Cable to Tape Clamp** To suit 50mm², 70mm² and 95mm² cable to 25mm x 3mm tape



BI-METALLIC CONNECTORS

- a) Aluminium and Copper Tapes – For 25mm x 3mm conductor and supplied in copper, aluminium and stainless steel
- b) Aluminium and Copper solid circular conductors – For 8mm dia conductor and supplied in copper, aluminium and stainless steel



INTERCEPTOR PLATES

500mm x 50mm x 50mm. Supplied in both Gunmetal and Aluminium



UNIVERSAL CABLE CONNECTORS

500mm x 50mm x 50mm. Supplied in both Gunmetal and Aluminium



WATERMAIN PIPE BONDS

For use up to 26mm max width
Supplied in both gunmetal and aluminium



PUDDLE FLANGES

500mm x 50mm x 50mm.
Supplied in both Gunmetal and Aluminium



'B' BONDS

- 25mm x 3mm conductor
Supplied in both gunmetal and aluminium



CIRCULAR CONDUCTOR SHOES

To suit 8mm Bore Solid Copper and Aluminium Conductor
Supplied in both Gunmetal and Aluminium



PYRAMID HOLDFASTS

Supports 8mm diameter bare solid
circular conductors on flat roofs.
Plastic filled with concrete



CONCRETE BASES

- a) Concrete Square used in conjunction with Square Plate Support.
Supplied in 12kg and 16kg base weights
 - b) Concrete Round used in conjunction with Tripod and Quad supports.
Supplied in 12kg, 16kg, 20kg and 25kg base weights
 - c) Rubber Protective roof pad suits all round and square concrete bases
-



nVent ERICO Grounding and Bonding

Compression, Exothermic, and Mechanical Solutions

Redefining Electrical Protection

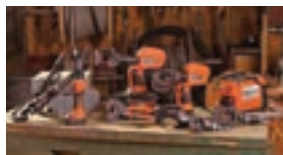
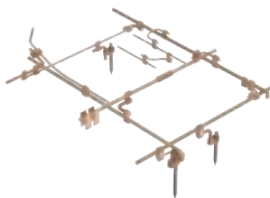
nVent ERICO offers an innovative and comprehensive grounding and bonding lineup, that includes exothermic, compression, and mechanical solutions. With nVent ERICO, you will have the right solution for every application, ensuring reliable and high-quality results.

COMPRESSION GROUNDING SOLUTION

NVENT ERICO PERMAGROUND CONNECTORS

nVent ERICO PermaGround systems utilize pure wrought copper extrusions. This prevents corrosion due to dissimilar metals and are pre-filled with inhibiting compound.

- Compression tools and die together with connection provide a full system of connections
- Irreversible permanent connections and can be used below or above ground
- Suitable for direct burial in concrete or ground

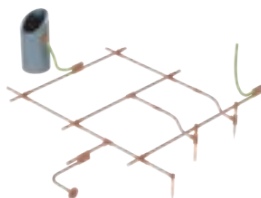


EXOTHERMIC SOLUTION

NVENT ERICO CADWELD PLUS

nVent ERICO Cadweld Plus exothermically welded connections are engineered to provide a permanent, molecular bond that will not loosen or corrode. The connections are designed to maintain for the life of the conductor and/or installation.

- Connections are made with inexpensive, lightweight equipment without the need for any special skills
- Connections have same current handling capability as the conductor



MECHANICAL SOLUTION

GROUND RODS AND ACCESSORIES

nVent ERICO offers GEM Ground Enhancement Material, a low-resistance, non-corrosive, carbon dust-based material that improves grounding effectiveness, especially in areas of poor conductivity. Also offered is nVent ERICO Quickfill No-Mix Ground Enhancing Backfill, which reduces resistance to ground and is designed to minimize dust and eliminate mixing.

nVent ERICO indoor grounding solutions include Design Assistance & Training, Ground Bars, Indoor Grounding & Outdoor System Design and Mesh Bonding Network.

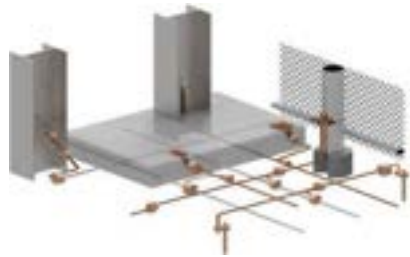


NVENT ERICO PERMAGROUND

COMPRESSION GROUNDING SOLUTION

Offers a full-line of high quality copper extruded compression connector products for all your grounding applications.

- Permanent secure irreversible connection
- Each connector is designed so it can be used in multiple configurations for versatility
- Quick and easy time saving installation due to repeatable connections made in a matter of minutes
- Anti-oxidant coating pre-applied on all connectors
- Installation can be done with compression tools and are the same tools used with power connections
- Full-line of compression dies compatible with different type of tools
- Connectors dual marked with imperial and metric conductor ranges, part number, required die number and number of crimps required

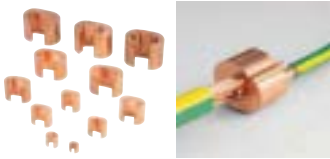


	+		+		+		=	
Conductor		Connector		Application Die & Compression Tool		Intended Application		Uniform, High Quality, Solid, Low Resistance

C-CRIMPS

C-crimps are used to join two grounding conductors together in a grounding system with a compression tool. The C-crimps are made of high strength conductive copper.

- Compatible for a wide range of conductors due to the nature of the C-crimp's design
- Dies are interchangeable with compression tools from nVent and other manufactures
- The C-crimp connector is designed to be versatile for many different job site applications and conductor configurations
- Tested in accordance with UL 467 and CSA certification



Part Number	Wire Range (Metric)		Wire Range (Imperial)		Die Index
	Main	Tap	Main	Tap	
ULT-1-MM	4-4	4-4	10-12	10-12	238
ULT-2-MM	10-6	6-6	8	8-10	162
ULT-3-MM	25-16	10	4-6	8	BG
ULT-4-MM	25-16	16	4-6	6	BG
ULT-5-MM	25-16	25	4-6	4	BG
ULT-6-MM	35	25-10	2	4-8	C
ULT-7-MM	35	35	2	2	C
ULT-8-MM	70-50	35-10	2/0-1/0	2-8	O
ULT-9-MM	70-50	70-50	2/0-1/0	2/0-1/0	O
ULT-10-MM	95-95	25-16	4/0-3/0	2-6	D3
ULT-11-MM	120-95	70-50	4/0-3/0	2/0-1/0	D3
ULT-12-MM	95-95	95-95	4/0-3/0	4/0-3/0	D3

E-CRIMPS

E-crimps are used to put two wire conductors together with a compression tool in a grounding system making them suitable for larger conductors. The E-crimps are made of high strength conductive copper.

- Robust design due to the connector profile and additional mass
- Dies are interchangeable with compression tools from nVent and other manufactures
- Installation dies leave an embossment on the finished connection for positive inspection
- Tested in accordance with UL 467 and CSA certification



Part Number	Wire Range (Metric)		Wire Range (Imperial)		Die Index
	Main	Tap	Main	Tap	
ELT-1-MM	35-16	35-16	2-6	2-6	C
ELT-2-MM	70-50	70-50	2/0-1	2/0	O
ELT-3-MM	120-95	120-95	250 kcmil-3/0	250 kcmil-3/0	997
ELT-4-MM	70-50	35-16	2/0-1	2-6	O
ELT-5-MM	120-95	70-16	250 kcmil-3/0	2/0-6	997
ELT-6-MM	240-150	120-95	500-300 kcmil	250 kcmil-3/0	1011
ELT-7-MM	240-150	70-16	500-300 kcmil	2/0-6	1011
ELT-8-MM	240-150	240-150	500-300 kcmil	500-300 kcmil	1011

NEW! METRIC FIGURE 6

nVent ERICO PermaGround Figure 6-crimp connector is part of the nVent ERICO PermaGround Connectors line. Figure 6-crmps are used to connect two grounding conductors or a grounding conductor to a ground rod in a grounding system using a compression tool. The Figure 6-crimp connectors are made of high-strength conductive copper. This ensures a low-resistance connection that eliminates the effects of corrosion resulting in longevity of the connection.

FEATURES

- Compatible for a wide range of conductors and ground rods due to the nature of the Figure 6-crimp connector's design
- Dies are interchangeable with compression tools from nVent and other manufactures
- The Figure 6-crimp connector is designed to be versatile for many different job site applications and conductor configurations
- Quick and easy installation due to repeatable connections that can be made in a matter of minutes



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- The applied oxide inhibitor contains flecks of copper providing improved pull-out strength and reduced operating temperatures for copper terminations
- Installation dies leave an embossment on the finished connection for positive inspection
- Tested in accordance with UL 467 and CSA certification

**nVent ERICO PermaGround
Connector - Metric Figure 6 Product Page**



Catalog Number	Material	Conductor Type	Main/Run Conductor Range	Tap Conductor Range	Main Ground Rod	Connection Type	Die Index
GGC-1-MM	Copper	Solid, Stranded	35 - 16 mm ²	35 - 16 mm ²		Conductor to Conductor	0
GGC-2-MM	Copper	Solid, Stranded	120 - 50 mm ²	35 - 25 mm ²	1/2" - 5/8"	Conductor to Conductor, Conductor to Ground Rod	997
GGC-3-MM	Copper	Solid, Stranded	120 - 50 mm ²	70 - 50 mm ²	1/2" - 5/8"	Conductor to Conductor, Conductor to Ground Rod	997
GGC-9-MM	Copper	Solid, Stranded	120 - 50 mm ²	16 - 16 mm ²	1/2" - 5/8"	Conductor to Conductor, Conductor to Ground Rod	997
GGC-4-MM	Copper	Solid, Stranded	120 - 50 mm ²	120 - 95 mm ²	1/2" - 5/8"	Conductor to Conductor, Conductor to Ground Rod	997
GGC-5-MM	Copper	Solid, Stranded	240 - 120 mm ²	35 - 25 mm ²	5/8" - 3/4"	Conductor to Conductor, Conductor to Ground Rod	998
GGC-6-MM	Copper	Solid, Stranded	240 - 120 mm ²	70 - 50 mm ²	5/8" - 3/4"	Conductor to Conductor, Conductor to Ground Rod	998
GGC-7-MM	Copper	Solid, Stranded	240 - 120 mm ²	120 - 95 mm ²	5/8" - 3/4"	Conductor to Conductor, Conductor to Ground Rod	998

NVENT ILSCO U-DIES

The U-Dies fit into the jaw of the nVent ILSCO 12-Ton (130 kN) crimping tool and are made out of hardened stainless steel for durability and long life. U-Dies adhere to the highest quality standards. Effortlessly produce secure connections with the nVent ILSCO U-Dies, nVent ILSCO tools, and nVent ERICO PermaGround C & E Compression Connectors.

Dies are sold individually and in kits to cover all grounding crimp connection configurations.



U-Die Part Number	Connectors used with Dies			
ILD-C	ULT-6-MM	ULT-7-MM	ELT-1-MM	
ILD-D3	ULT-10-MM	ULT-11-MM	ULT-12-MM	
ILD-O	ULT-8-MM	ULT-9-MM	ELT-2-MM	ELT-4-MM
ILD-997	ELT-3-MM	ELT-5-MM		
ILD-1011	ELT-6-MM	ELT-7-MM	ELT-8-MM	
ILD-BG	ULT-3-MM	ULT-4-MM	ULT-5-MM	
ILD-238	ULT-1-MM			
ILD-162	ULT-2-MM			

NVENT ILSCO TASKMASTER 12-TON (130 KN) TOOL

nVent ILSCO TaskMaster tools – 12-Ton (130 kN) Crimping Tool is a pistol grip crimping tool for the nVent ERICO Compression Grounding Connectors line. The C, E crimps are compatible with this tool in addition with the nVent ILSCO Dies.

With the 12-Ton (130 kN) Crimping Tool it is very convenient to create secure connections that can be made in a matter of minutes, due to powerful features like 360 degrees tool head rotation, dual speed pump and a variable speed trigger.

To make the tool even more user-friendly it also comes with a left and right handed manual release, LED work light and battery charge indicator. The 12-Ton (130 kN) Tool is powered by an 18 volt battery platform cordless system providing a combination of professional grade power, light weight and high performance for all day use.



Part Number	Description
TB-12U1000-PX	12-Ton toolkit without charger and batteries
B1850EU	18 V battery single 5.0 ah li-ion
BC18VEU	18 V battery charger EU

NEW! MECHANICAL SOLUTION

nVENT ERICO LAY-IN HAMMERLOCK GROUND CLAMP

The nVent ERICO Lay-In Hammerlock Ground Clamp provides an easy-to-install mechanical connection for grounding conductors to ground rods. A low resistance connection is possible through the sleek, highly conductive copper design. Eliminating the need to feed conductors through the connector allows for ease-of-use. High-level performance is ensured for many years to come, regardless of harsh environments through the connectors rugged design. Installation of the nVent ERICO Lay-In Hammerlock Ground Clamp is made simple whether tapping into an existing grounding grid or installing new conductors on ground rods.



nVent ERICO Lay-In Hammerlock Ground Clamp Product Page

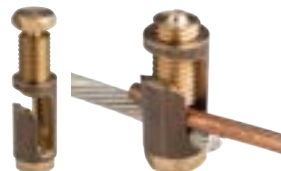
FEATURES

- Lay-in capability eliminates need to feed or cut conductors during installation
- Can be used for new installations or adding to existing grounding grids
- Irreversible, low resistance connection with excellent mechanical strength
- Provides a visual indication of completed connection
- UL 467 and 96 certified; suitable for direct burial
- Fast and simple installation: needing only a hammer and no special training

Catalog Number	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Direct Burial	Number of Conductors
ELHL58C1V	5/8"	4-2 Stranded	#4 Stranded - #2 Stranded, 25 - 35 mm ²	Yes	1
ELHL58C1K	5/8"	6-4 Solid	#6 Solid - #4 Solid 16 - 25 mm ²	Yes	1

NEW! nVENT ERICO LAY-IN LOCK SHEAR CONNECTOR

The nVent ERICO Lay-In Lock Shear Connector features an innovative, tamper-proof solution to tap in and create irreversible parallel connections anywhere on new or existing grounding grids. This quick, low-maintenance option increases convenience and simplifies installation with its shear-off bolt head and unique lay-in feature to hold conductors in place prior to making a secure connection. Designed to improve performance, reduce damage, and enhance reliability, the nVent ERICO Lay-In Lock Shear Connector ensures a consistent clamp force on every connection.



nVent ERICO Lay-In Lock Shear Connector Product Page

FEATURES

- Hexagonal bolt head shears when proper torque is applied
- Lay-in capability eliminates need to feed or cut conductors during installation
- Allows for permanent, secure connection between multiple conductors
- No special tools required and suitable for indoor & outdoor applications
- Suitable for direct burial and corrosion resistant
- Marked to display versatile connector ranges
- RoHS and REACH compliant

Catalog Number	Material	Direct Burial	Conductor Size	Number of Conductors	Torque	Hex Width	Length	Diameter	Unit Weight
ELLC1G	Bronze	Yes	#6 Solid, #6 Stranded	2	17 N-m	16.51 mm	50 mm	19 mm	0.1 kg
ELLC1S	Bronze	Yes	#6 Solid - #2 Stranded	2	17 N-m	19.05 mm	64 mm	22 mm	0.14 kg

NEW! EXOTHERMIC SOLUTION

nVENT ERICO CADWELD ONE SHOT MOLD (CABLE TO GROUND ROD)

This innovative solution offers a single-use ceramic mold and welding material connection package, perfect for creating permanent, reliable connections to ground rods. Ideal for electrical transmission, distribution, and various industrial applications, the Cadweld One Shot Mold ensures connections that will not loosen, corrode, or increase in resistance over time. With its easy-to-use design, you can achieve professional-grade results without the need for a mold or starting material.



FEATURES

- Single-use ceramic mold which eliminates the need for a graphite mold and handle clamp/frame
- Produces a permanent connection that will not loosen or corrode

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- Fits plain copper-bonded, threaded copper-bonded, full-size galvanized and stainless steel ground rods
- NEC® compliant

**nVent ERICO Cadweld One Shot Mold
(Cable to Ground Rod) Product Page**



Catalog Number	Welding Material Type	Mold Family	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Connection, Solid	Connection, Stranded
GT1161L	Traditional	GT (ONE SHOT)	5/8"	#4, #3		16 mm ²
GT1161V	Traditional	GT (ONE SHOT)	5/8"	#2, #1	50 mm ²	25 / 35 mm ²
GT1162C	Traditional	GT (ONE SHOT)	5/8"	1/0, 2/0		50 mm ²

NEW!

DIGITAL TOOLS

ENHANCE YOUR PROJECTS WITH OUR DIGITAL TOOLS

Discover the power of our innovative digital tools designed to streamline your projects and improve efficiency. The GEM Calculator and the Cadweld Selector tool are essential resources for professionals in the field.

The **GEM Calculator** helps you determine the optimal amount of Ground Enhancement Material (GEM) needed for your grounding system, ensuring safety and compliance with industry standards.

The **Cadweld Selector** simplifies the process of selecting the right Cadweld connections for your specific needs, providing you with accurate and reliable solutions.



Access the
**nVent ERICO
GEM Calculator**







Access the
**nVent ERICO
Cadweld Selector**



SOLUTIONS OVERVIEW

COMPARISON TABLE: COMPRESSION – EXOTHERMIC – MECHANICAL

	Lay-In Hammerlock Ground Clamp	Lay-In Lock Shear Connector	PermaGround Metric Figure 6 Connector	Cadweld One Shot Mold (Cable to Ground Rod)
				
Type	Mechanical Grounding	Mechanical Grounding	Compression Grounding	Exothermic Grounding
Installation	Requires standard tools like a hammer to create a durable connection	Requires standard tools like a wrench or spanner to create a durable connection	Requires compression tools and dies to create a permanent connection	Requires a custom mold and welding material to create a permanent bond
Connection	To connect cable to ground rod	To connect cable to cable	To connect cable to cable, cable to ground rod and cable to rebar	To connect cable to cable and cable to ground rod
Applications	Suitable for general grounding applications	<ul style="list-style-type: none"> • Barb Wire Fence Grounding • Pool Mesh/Ground Mats • Fence Fabric Ground Clamps • Grounding Down Conductors for Structures • Utility Pole Neutral Wire to Ground Wire • Grounding Structure to Ground Ring with Jumper 	Ideal for critical connections where exothermic is not permitted	Ideal for high quality and specified connections
Markets	<ul style="list-style-type: none"> • Solar Power • Telecom • Utility • General Grounding and Bonding 	<ul style="list-style-type: none"> • General Grounding and Bonding • Residential 	<ul style="list-style-type: none"> • Oil and Gas • Data Center • Healthcare • Hot zone work • Commercial • Telecom • Industrial • Institutional 	<ul style="list-style-type: none"> • Data Centers • Industrial • New construction • Rail • High critical environments • Utility
Advantages	Easy to install and inspect, reusable, and requires minimal maintenance	Easy to install and inspect, reusable, and requires minimal maintenance	Quick to install, easy to inspect, and provides a consistent connection every time	Provides a molecular bond that is highly conductive



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CADDY ERICO HOFFMAN ILSCO RAYCHEM SCHROFF

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EXOTHERMIC WELD SYSTEM



We connect and protect

nVent ERICO Cadweld Plus

Leading Technologies in Exothermic Welding

nVent ERICO Cadweld is the ultimate grounding connection as it will not loosen or corrode over time and will outlast the life of the conductors it connects due to molecular bonding between the metal surfaces. **Cadweld is suited for critical applications** like buried grounding system, power utility substations, data centers, telecommunications sites, mining facilities and commercial and industrial facilities.

Cadweld Plus connections offer all the benefits of conventional Cadweld connections:

- Current carrying capacity equal to or greater than that of the conductor
- Withstand repeated fault currents without failing during operation
- Permanent, molecular bond that will not loosen or corrode, resulting in a connection with a lifetime equal to that of the installation

Join copper to copper, copper to galvanized or plain steel, copper to copper clad steel, copper to bronze/brass/stainless steel, steel to steel, etc.

- No external power or heat source required
- Quality Assurance Inspection is easy and visual

Minimal installation training required

Exceed requirements of "IEEE® Std 837- Std. or Qualifying Permanent Connections Used in Substation Grounding"



The Cadweld molecular bond will last the lifetime of the conductors.



New! Find the mold you need with our **CADWELD Selector Tool!**



Introduction to nVent ERICO Cadweld Plus **Installation Process**



PRODUCT CATALOGUE

FurseWELD®

Exothermic welding

FURSEWELD®



FurseWELD

Exothermic welding

FurseWELD exothermic welding is a cost efficient method of making large or small numbers of high quality electrical connections.

The FurseWELD process

FurseWELD is a simple, self-contained system that uses the high temperature reaction of powdered copper oxide and aluminium, within a mould, to form permanent electrical connections.

The FurseWELD system:

- Requires no external power or heat source
- Creates high quality electrical connections
- Is completely portable
- Can be used safely with minimum training
- Is cost effective
- Has over 45 standard connection configurations

Typical applications include:

- Earthing for power plants and substations
- Telecommunications
- Transmission and power distribution lines
- Cathodic protection
- Rail connections

The FurseWELD connection

FurseWELD connections have several advantages:

- Tolerant to repeated fault currents
- Highly conductive
- Do not loosen
- Excellent corrosion resistance

Most FurseWELD connections have at least twice the cross-sectional area of the conductors being joined, and an equivalent or greater current carrying capacity. Corrosion resistance is exceptional because of the very high copper content (> 90%) of the alloy.

Moulds

The FurseWELD system of exothermic welding uses moulds to contain the exothermic reaction that creates safe and robust connections. Market leading FurseWELD graphite moulds are extremely robust and capable of producing up to 75 connections each, if not more when properly maintained.

FurseWELD products

- A powder cartridge is required for each joint to be made
- Handle clamps enable the mould to be handled when hot, and the two halves of the mould to be opened and clamped together
- Packing is required when welding to reinforcing bar

Conductors

The range of FurseWELD moulds is designed to work with all common conductor formats:

- Flat tape conductor
- Stranded conductor
- Solid circular conductor

FurseWELD quality notes

FurseWELD moulds should only be used with FurseWELD powders, handle clamps and accessories. If moulds, powders, handle clamps and accessories from other manufacturers are utilized, we cannot guarantee the safe use or the integrity of the completed joint.

FurseWELD moulds shown in this catalogue for use with stranded conductor are designed for use with non-compacted conductor to BS EN 60228. If a mould for compacted conductor is required, please contact your local representative.

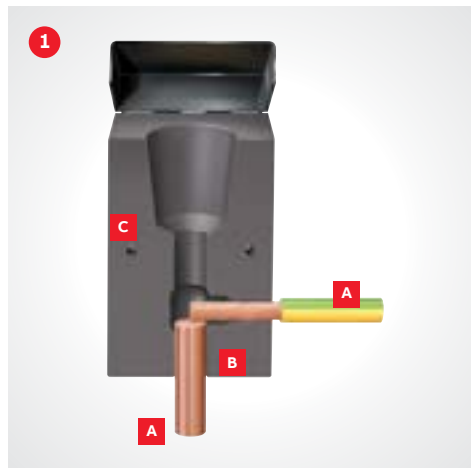
Conductors must be installed in the orientation shown to achieve the correct connection.

If connections shown do not meet your requirements, please contact your local sales office.

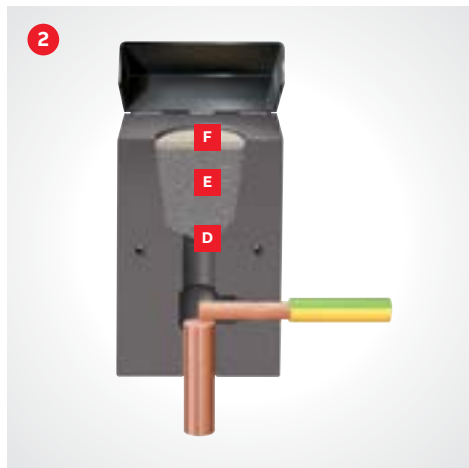
FURSEWELD

FurseWELD exothermic welding

Operation steps



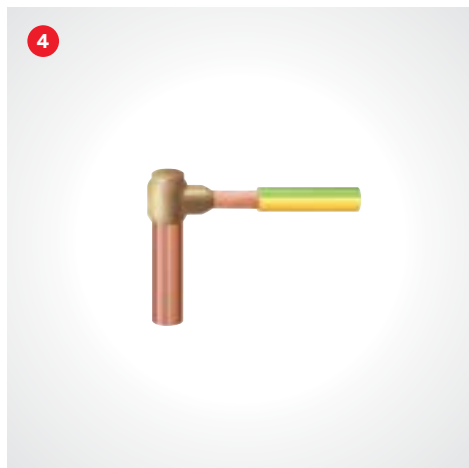
1. Locate the conductors (A) to be joined in the weld cavity (B) and close the mould (C).



2. Place the steel retaining disc in the base of the crucible (D). Pour in the weld powder (E) followed by the starting powder (F). Ignite starting powder with a spark gun.



3. The resulting exothermic reaction reduces the weld powder to molten copper alloy which melts the retaining disc and flows into the weld cavity where it partially melts the conductors (G).

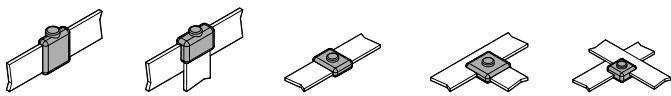


4. The molten copper alloy cools to leave a fusion weld of great mechanical and electrical integrity.

FurseWELD

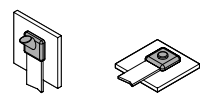
Connection selection guide

— Bar to bar



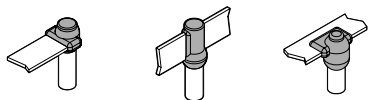
Connection Type	Type BB1	Type BB3	Type BB7	Type BB14	Type BB41
Page No.	10	11	12	13	14

— Bar to steel surface



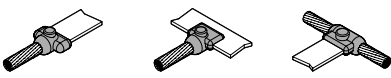
Connection Type	Type BS1	Type BS2
Page No.	15	15

— Bar to earth rod




Connection Type	Type BR1	Type BR2	Type BR7
Page No.	16	18	20

— Cable to bar



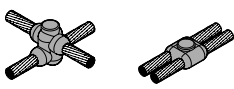
Connection Type	Type CB1	Type CB4	Type CB5
Page No.	22	23	24

— Cable to cable



Connection Type	Type CC1	Type CC2	Type CC4	Type CC6	Type CC7
Page No.	25	26	27	28	29

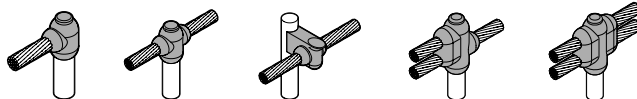
— Cable to cable



Connection Type	Type CC11	Type CC14
Page No.	30	31

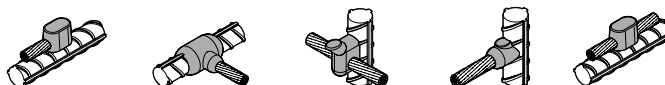
FURSEWELD

— Cable to earth rod



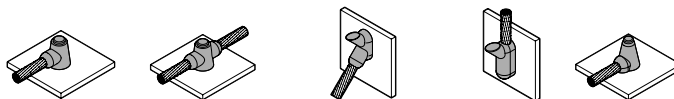
Connection Type	Type CR1	Type CR2	Type CR3	Type CR17	Type CR24
Page No.	34	35	36	37	38

— Cable to reinforcing bar



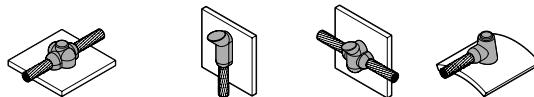
Connection Type	Type CRE1	Type CRE2	Type CRE3	Type CRE6	Type CRE17
Page No.	37	38	39	40	40

— Cable to steel surface & pipe



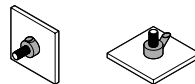
Connection Type	Type CS1	Type CS2	Type CS3	Type CS7	Type CS8
Page No.	41	41	42	42	43

— Cable to steel surface & pipe



Connection Type	Type CS9	Type CS25	Type CS27	Type CS32
Page No.	43	44	44	45

— Stud to steel surface



Connection Type	Type RS1	Type RS2
Page No.	46	46

Conductors must be in the orientation shown to achieve the correct connection

Furse offers technical support to assist with selection of joint type. If connections shown do not meet your requirements, please contact your local sales office for assistance.

FurseWELD moulds should only be used with FurseWELD powders, handle clamps and accessories. If moulds, powders, handle clamps and accessories from other manufacturers are utilised, we cannot guarantee the safe use or the integrity of the completed joint.

FurseWELD moulds for use with stranded conductor are designed for use with non-compacted conductor to BS EN 60228. If a mould for compacted conductor is required, please contact your local representative

FurseWELD

Remote ignition system



The FurseWELD remote ignition system provides a safe and efficient method to ignite exothermic welding powder when creating high quality electrical connections.

The FurseWELD Remote Ignition Process

The FurseWELD remote ignition system provides a safe, user friendly and remote method to ignite a high temperature reaction of powdered copper oxide and aluminium, within a mould, to form permanent electrical connections.

The hassle free FurseWELD remote ignition system can be assembled in a matter of minutes using our extensive installation guide. Once the kit has been assembled, a single use ignition strip is loaded into the ignition block and then inserted into the desired FurseWELD mould. The mould should already have the conductors in position. Next the operator will place the steel retaining disc into the crucible, pour in the weld powder, place the steel hood unit over the mould and retreat to a safe distance. Using either the remote ignition unit or the wireless ignition fob the operator will activate the ignition strip, in turn igniting the welding powder within the mould.

Features and benefits:

- Removes the need to use ignition starter powder with a traditional flint gun, allowing ignition from a safe distance reducing exposure to smoke and fumes.
- Creates guaranteed ignition spark unlike traditional methods.
- Is completely portable and rechargeable.
- Can be used safely with minimum training.

The FurseWELD Remote Ignition System includes:

- Remote Ignition Unit
- Cable with Ignition Block
- Wireless Ignition Fob
- Charger
- Ignition strips (sold separately)

Accessories available:

- Stainless Steel Protective Hood - used to contain sparks from exothermic reaction and reduce smoke and fumes

Ignition Strips

The FurseWELD ignition strips have been designed to safely ignite the exothermic welding powder in the mould. The ignition strip is made from stainless steel.

FurseWELD quality notes

FurseWELD Remote Ignition system should only be used with our exothermic welding moulds (those with part number suffix IU) and powders.

Training is available for FurseWELD Remote Ignition users on request.



FURSEWELD

FurseWELD remote ignition system

Operation steps



1. Plug the ignition cable into the device. Insert the ignition strip (supplied separately) into the ignition block.



2. Insert the ignition strip into the small slot that is in the front side of the mould.



3. Place the steel retaining disc in the mould and pour the weld powder into the mould. Ensure the ignition strip is covered and centred in the mould.



4. Cover the mould with the steel hood and turn the power switch to option - to use the remote fob. Alternatively, turn the power switch to option = to use the button on the main ignition unit. Pressing the ignition button in preferred mode will then ignite the powder.



5. Press the power switch button to the middle position. Remove the cable and ignition strip from the mould. Remove the used ignition strip. Repeat the process again from **step 1**. Repeat the process again from step 1 for the next weld.

CAUTION!

1. Read the instruction sheet carefully and where possible attend training before using this device - either online, at Furse premises, your own premises or on the project site with a FurseWELD specialist.
2. Do not perform under wet or rainy conditions.
3. Don't use other charger which the main parameters do not adapt to this device.
4. Follow site safety requirements and other ABB safe practices for the exothermic welding procedure throughout the whole operation process.

GOOD PRACTICE

1. Battery must be charged to 20% or greater to avoid strip ignition failure due to low power.
2. When battery is fully charged, unplug from charge point.
3. Store device fully charged in a cool dry condition when not in use.
4. This device is designed and intended for use only with ABB Furse exothermic welding materials.

Call us on **T:** 0121 636 0860 **W:** www.earthmet.co.uk

E: sales@earthmet.co.uk

FURSEWELD

FurseWELD

Remote ignition kit

Remote ignition kit - FurseWELD

	Part no.	Order code	Description
	IU100	7TCA083930R0106	FurseWELD remote ignition kit, includes carrying case, ignition unit, fob, cable/block, mains charger & UK 3 pin adaptor

Stainless steel hood - FurseWELD

	Part no.	Order code	Description
	SHPK4	7TCA083930R0103	Furseweld stainless steel hood (80x80mm to suit PK4 moulds)
	SHPK5	7TCA083930R0102	Furseweld stainless steel hood (100x100mm to suit PK4 moulds)

Ignition strips - FurseWELD

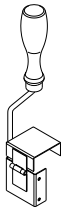
	Part no.	Order code	Description
	IS100	7TCA083930R0107	FurseWELD ignition strips (5 pcs per pack)

FurseWELD

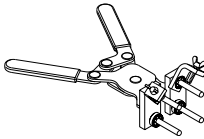
Handle clamps

Handle clamps - FurseWELD

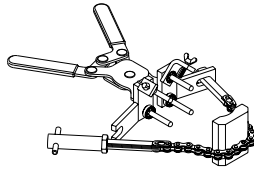
Part no.	Order code	Description
HCPK1	7TCA083930R0016	Single part moulds (Price Key 1)
HCPK2	7TCA083930R0017	Single part moulds (Price Key 2)
HCPK3	7TCA083930R0018	Two part moulds (Price Key 3)
HCPK3-A	7TCA083930R0019	With chain grip, two part moulds (Price Key 3)
HCPK3-B	7TCA083930R0020	Sprung, single part moulds (Price Key 3)
HCPK4	7TCA083930R0022	Two-part moulds (Price Key 4)
HCPK4-A	7TCA014980R0339	With chain grip, two-part moulds (Price Key 4)
HCPK5	7TCA083930R0023	Two-part moulds (Price Key 5)
HCPK7	7TCA083930R0024	Multi-part moulds (Price Key 7)
HCPK8	7TCA083930R0025	Multi-part moulds (Price Key 8)
Frames		
F1-FU	7TCA083930R0008	Frame for use with Handle Clamp HCPK4
F2-FU	7TCA083930R0010	Frame for use with Handle Clamp HCPK5



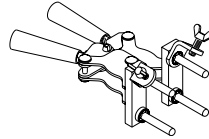
HCPK2



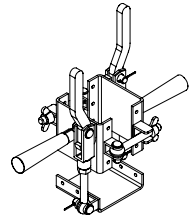
HCPK3



HCPK3-A



HCPK4 & HCPK5



HCPK7

Handle clamps with chain grip enable location and fixing of the mould on to uneven surfaces such as pipes and rebars
 Note: Drawings for illustration only. Product supplied may vary from illustration shown

FurseWELD

Accessories

Copper sleeve accessory - FurseWELD



Part no.	Order code	Conductor size (mm ²)	Length (mm)
S105	7TCA083930R0070	2.5 / 4 / 6	23.5
S102-FU	7TCA083930R0068	10	25
S103	7TCA083930R0069	16	25

Exothermic welding powder - FurseWELD



Part no.	Order code	Description	Pack quantity
15P10	7TCA083920R0004	Exothermic welding powder, size 15	20
25P10	7TCA083920R0008	Exothermic welding powder, size 25	20
32P10	7TCA083920R0009	Exothermic welding powder, size 32	20
45P10	7TCA083920R0010	Exothermic welding powder, size 45	20
65P10	7TCA083920R0010	Exothermic welding powder, size 65	10
90P10	7TCA083920R0012	Exothermic welding powder, size 90	10
115P10	7TCA083920R0000	Exothermic welding powder, size 115	10
150P10	7TCA083920R0002	Exothermic welding powder, size 150	10
200P10	7TCA083920R0006	Exothermic welding powder, size 200	10
250P10	7TCA083920R0007	Exothermic welding powder, size 250	10

Stud accessory - FurseWELD



Part no.	Order code	Stud size	Length (mm)	Material
RSSM8	7TCA083930R0067	M8	48	Stainless steel
RSSM10	7TCA083930R0063	M10	48	Stainless steel
RSSM12	7TCA083930R0069	M12	48	Stainless steel

FurseWELD Accessories

Accessories - FurseWELD



Duxseal sealing compound

Part no.	Order code	Description
B135	7TCA083930R0000	Cable cleaning brush
BCM	7TCA083930R0001	Mould cleaning brush
BFC	7TCA083930R0002	Tape cleaning brush
DUXSEAL	7TCA083930R0005	Duxseal sealing compound (1 lb)
FG100	7TCA083930R0108	Flint gun
FLINTS	7TCA083930R0013	Replacement flints (pack of 10)
PACK-A	7TCA083930R0055	Packing
STM1-FU	7TCA083930R0079	Mould cleaning scraper
TB100-FU	7TCA083930R0080	Welding toolbox
TK100	7TCA083930R0081	Standard toolkit for bar to bar joints Includes flint gun (FG100), tape cleaning brush (BFC), mould cleaning brush and scraper (BCM & STM1-FU)
TK200	7TCA083930R0082	Standard toolkit for cable to cable joints Includes flint gun (FG100), cable cleaning brush (B135), mould cleaning brush and scraper (BCM & STM1-FU)
TK300	7TCA083930R0110	Remote Ignition Unit toolkit for bar to bar joints Includes tape cleaning brush (BFC), mould cleaning brush and scraper (BCM & STM1-FU)
TK400	7TCA083930R0111	Remote Ignition Unit toolkit for cable to cable joints Includes cable cleaning brush (B135), mould cleaning brush and scraper (BCM & STM1-FU)
MJ4	7TCA083930R0052	Mould jacket (Price Key 3 & 4)
MJ5	7TCA083930R0053	Mould jacket (Price Key 5)



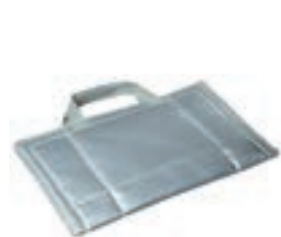
Cable cleaning brush,
Tape cleaning brush,
& Mould cleaning brush



Packing, Flint gun,
& Mould cleaning scraper



Welding toolbox

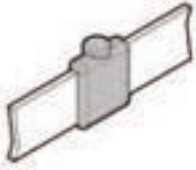


Mould jacket

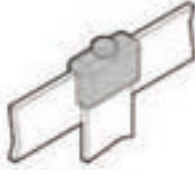
The Furse mould jacket is designed to permit safe and secure transportation and storage of FurseWELD moulds. Manufactured from woven Kevlar synthetic material with silicate padding and Velcro lined edges, the jacket protects against splashing of hot metal sparks, and prevents moisture ingress and damage to the mould.



FURSEWELD/CADWELD CONNECTION LOCATOR



EMBB1



EMBB3



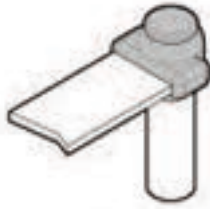
EMBB7



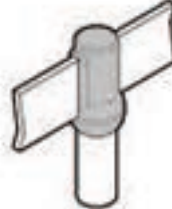
EMBB14



EMBB41



EMBR1



EMBR2



EMCB1



EMCB4



EMCB5



EMCC1



EMCC2

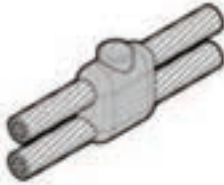


EMCC4

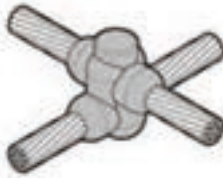


EMCC6

FURSEWELD/CADWELD CONNECTION LOCATOR



EMCC7



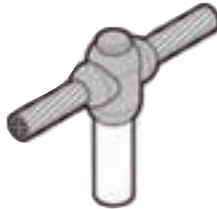
EMCC11



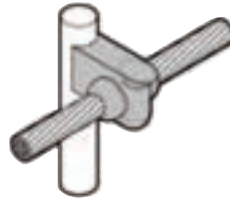
EMCC14



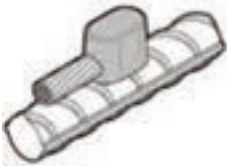
EMCR1



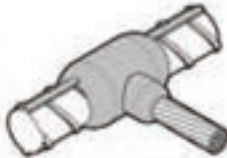
EMCR2



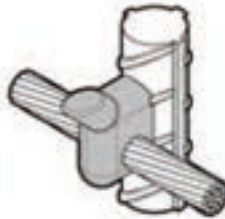
EMCR3



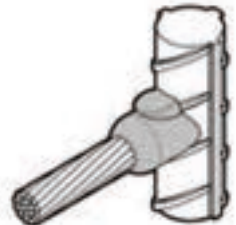
EMCE1



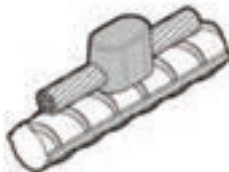
EMCE2



EMCE3



EMCE6



EMCRE17

SAFEMET SECURITY PRODUCTS

The Safemet Security Product Range is designed to deter the theft of both Copper and Aluminium Tape from concrete and metal structures.

Currently approved by National Grid and most of the Distribution Network Operators, the Safemet Security Pin is now the UK's most cost effective solution.

SAFEMET SECURITY PINS

Made from a high corrosion resistant stainless steel, the Safemet Security Pin surpasses all current existing security pins on the market. Our pins are essential in securing both Copper and Aluminium Tape to concrete and brick structures. They are suitable for both cracked and non-cracked conditions.



SAFEMET SECURITY SCREWS

The Safemet Pin Hex Security Screws have been manufactured with an internal pin within the standard socket aperture and secure Copper and Aluminium Tape to metal structures.

This prevents removal with standard hexagon keys and is one of the most difficult screws to remove without the matching driver



SAFEMET REMOVABLE NUTS

This Stainless Steel product is extra resilient to attack because of its rounded shape and case hardened steel construction. It can only be undone with the unique matching Driver Socket shown.



SAFEMET SHEAR NUTS

A high security permanent nut fastening. The hexagonal part of the nut shears off at a pre determined torque, leaving a tamper resistant cone.



SAFEMET SECURITY TOOLS

Of course with every security screw that we supply, you will need the matching drivers and tools in order to utilise them. We supply the insert bits, one piece screwdrivers and 'L' Key wrenches to go with all our security nuts and bolts which are made specifically for our products.



Insert bit



One Piece Screwdriver



L key wrench

SAFEMET SECURITY CAPPING

The Safemet Security Capping provides protection from accidental damage, vandalism and theft for Copper and Aluminium Tape. It's easy to secure, the guard has a low profile and the galvanised finish which offers long lasting resistance to corrosion.



We now also offer durable plastic capping to secure both Copper and Aluminium Cable

NEW SAFEMET ANTI THEFT PORTABLE EARTH LOOPS

Our Copper portable earth loops are suitable for bolting and braising to copper earth tape. Can also be supplied pre-tinned



SAFEMET DRILL BITS

Safemet Masonry and Metal drill bits:

- 6mm Dia SDS, Masonry
- 6.5mm Dia HSS. Metal
- 8mm Dia HSS Metal
- 9mm Dia HSS Metal
- 10mm Dia HSS Metal
- 12mm Dia HSS Metal



SAFEMET ANTI-CLIMB PAINTS

The Safemet Anti-Climb Paint is probably the most effective and long lasting way of deterring unwanted intruders as it stays wet to provide a constant slippery surface.



SAFEMET CAMOUFLAGE PAINTS

The Safemet Camouflage Paint can be applied over existing metalwork and is particularly good for protecting exterior paintwork.



SAFEMET BITUMASTIC PAINTS

The Safemet Bitumastic Paint is a general purpose black bitumen paint for metal concrete and brickwork.



SAFEMET PAINTBRUSHES

Our low cost brushes are simple and convenient. Once the jobs finished, just throw away.



PORTABLE EARTHING

Earthmets range of Earthing Equipment has been designed and developed to provide portable earthing on outdoor high voltage substations, overhead transmission lines and distribution lines during maintenance or erection.



They have been designed to provide safe and secure clamping where connections are to be made to dirty or heavily oxidised copper/aluminium busbars, stubs or stranded conductors. The clamps, operating poles, sockets and cables have safely withstood their respective mechanical type tests and short time current type tests as specified in relevant standards.

Earthmet supply a broad range of Portable Earthing Equipment including, Earth End Clamps, Line End Clamps, Operating Poles, Operating Sockets, Pole Heads, Flexible Cable assemblies, Tree Pruning equipment, General Purpose Earthing Clamps and Carrying Bags.

DISTRIBUTION LINE EARTHING

Distribution Line Earthing Kits are suitable for temporary earthing of conductors between 11kV & 66kV.

The DLE/1 is complete with S9B & S9A clamps, Aluflex lead & a cluster bar. The complete kit can be used with a fibreglass operating pole which enables the kit to be raised and attached to the conductor.



Substation Earthing

The range of substation portable earthing equipment is suitable for temporary earthing within the range of conductors 66kV to 400kV.

Transmission Line Earthing

The Transmission Line range of portable earthing is suitable for temporary earthing of conductors within the ranges of 132kV, 275kV and 400kV.

TUBULAR BUSBARS, CONNECTORS AND INSULATORS

We stock the UK's most comprehensive range of Tubular Busbars, Connectors and Insulators. Supplied in both Aluminium and Copper and guaranteed to be resilient and long lasting.

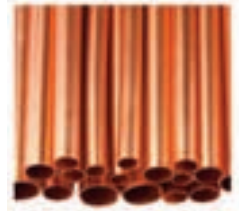
Whether you need to cover a 13m span or just need to finish off a smaller connection, we can cut to any length specified, without any extra charge.

COPPER TUBULAR BUSBARS

Sizes Available

1" od x 10g	1.1/2" od x 10g	2" od x 16g
2" od x 14g	2" od x 12g	2" od x 10g
2" od x 4mm	2" od x 6mm	3" od x 16g
3" od x 10g	3" od x 6mm	

Supplied in C101 Hard Drawn, Half Hard and Soft Conditions



ALUMINIUM TUBULAR BUSBARS

Sizes Available

90mm od x 6mm	90mm od x 10mm	139.75mm od x 9.53mm
140mm od x 10mm	200mm od x 10mm	250mm od x 6mm
250mm od x 10mm		

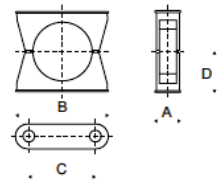
Supplied in 6101AT6 Condition



Please also note that we specialise in offering pre-formed, painted and milled finishes and all of our tubes can be supplied with both external and internal plastic end caps

CLAMPS FOR ALUMINIUM AND COPPER BUSBARS

Brass:	Aluminium:
C12mm Dia	A40mm Dia
C20mm Dia	A50mm Dia
C25mm Dia	A60mm Dia
C30mm Dia	A76mm Dia
C35mm Dia	A90mm Dia
C38mm Dia	A140mm Dia
C40mm Dia	
C50mm Dia	
C63.5mm Dia	
C76mm Dia	



BUSBAR CONNECTORS

Our busbar connectors are designed to interface with all associated products including circuit breakers, disconnectors, voltage transformers and sealing ends.

Earthmet has in depth knowledge in providing substation busbar connectors up to 145kV and accessories within the UK market.

Rigid to Palm Connectors

A Rigid Connector to suit Copper/Aluminium Conductor to Flat Palm. Supplied in Single, Double and Triple clamp configurations.



Expansion to Palm Connectors

An Expansion Connector to suit Copper Conductor to Flat Palm. Supplied in 800amp, 1600amp and 2000amp laminations.



Rigid to Plain Stem Connectors

A Rigid Connector to suit Copper/Aluminium conductor to Plain Stem. Supplied in single, double and triple clamp configurations.



Expansion to Plain Stem Connectors

An Expansion Connector to suit Copper Conductor to Plain Stem. Supplied in 800amp, 1600amp and 2000amp laminations.



Tee Connectors

A Tee Connector to suit Copper/Aluminium Conductor through and branch. Supplied in single to single, double to double and double to triple clamp configurations



Universal Connectors

This Universal Connector is to suit 60mm and 90mm diameter Aluminium Busbar Tube and is fully adjustable in the vertical and horizontal planes



POST INSULATORS

We can provide Brown Glazed Porcelain and Silicone Rubber Post Insulators for 33kV, 66kV and 132kV applications to IEC 273 & 168

C4-250

Voltage 33kV

Height 560mm

Creepage 1320mm

Impulse Withstand 250kVp

C6-325

Voltage 66kV

Height 762mm

Creepage 1850mm

Impulse Withstand 325kVp

C6-650

Voltage 145kV

Height 1500mm

Creepage 4000mm

Impulse Withstand 650kVp



GRP GRATING AND FLOORING

The Earthmet GRP grating and flooring has open mesh and solid grating. It is a cost effective, lightweight solution for Walkways, Platforms, Gullies, Trenches and Mezzanines. They offer a good chemical resistance together with excellent anti-slip properties.

GRP grating and flooring is supplied cut and shaped exactly to your requirements.

Available in Grey, Brown, Green and Yellow.

GRATING AND FLOORING

<i>Thickness (mm)</i>	<i>Panel Size (mm)</i>	<i>Mesh (mm)</i>	<i>Open Area %</i>	<i>Appx Weight Kg/m2</i>
13	3660 x 1220	50 x 50	72	7
25	3660 x 1220	25 x 100	65	13
25	3660 x 1220	38 x 38	70	12
40	3660 x 1220	38 x 38	70	18
40	3660 x 1220	19 x 19	34	24
50	3660 x 1220	50 x 50	72	20
50	3660 x 1220	Solid	Solid	24



SWITCHING MATS

For Earth mat installation on substation structure mounted switches.

Supplied in 1M squares with fixing spike for earth mat grating.



EARTHING DESIGN



Power Systems Earthing - Introduction

An earth electrode system, professionally designed by competent Engineers, is essential to ensure the safety of personnel and protection of equipment from dangerous voltages in and around substations.

Earthmet are able to offer earth electrode system designs and associated testing services using the most up-to-date equipment and design software 'CDEGS'.

All design works are carried out in accordance with:

BS 7430:2011 – The code of practice for protective earthing of electrical installations and BS EN 50522:2010 –

Earthing of power installations exceeding 1kV a.c.

All materials supplied by Earthmet have been tested and certified by an independent body ensuring the highest quality materials are made available to you.



Earthing System Design

Considerations

An earth electrode system should be designed to safely dissipate fault current or other unwanted electrical current to the general mass of earth. This could include power transmission and distribution, static dissipation, lightning protection as well as other associated systems.



The main considerations of an earth electrode system design should be:

1. Is the system safe and suitable for the purpose for which it is intended?
2. Is the system rated to carry the design fault currents?

To achieve this a number of steps are required and are detailed below.

Soil Resistivity Surveys

BS 7430:2011 states that 'on-site resistivity testing should always be carried out prior to carrying out an earth system design and installation.'

The soil resistivity survey is the first step in ensuring the correct design of an earth electrode system.

It is essential that accurate measurements are taken at this stage as this data is used to determine what conductors are required in the finished earthing system to give a safe and suitable design. Corrupt data taken with inadequate test equipment could lead to a vastly over- or under-engineered solution. Earthmet use high specification test equipment to carry out soil resistivity testing, gaining data from tried and tested methods. This raw data is then analysed using CDEGS software to produce a representative electrical equivalent soil model which can then be used in the earthing design process.

Earth Electrode System Design

There are many factors that go into producing a compliant earth electrode system design: fault current levels, fault duration, ground make up, interconnected sites are but a few.

All of the parameters are analysed using the CDEGS software to ensure Touch, Step and Rise of Earth Potentials are within safe levels.

Our team of competent Engineers consider all of the above and more to ensure the final design is not only safe and suitable for its purpose, but also to ensure the system can be installed using the most economic processes giving you the most cost effective solution.



Overall System Testing

BS 7430:2011 states that 'all work should be carried out under the control and direction of a competent person.'

Earthmet are able to offer test and inspection services for both new and existing installations. All works are carried out in accordance with BS 7430:2011 by our trained and competent Engineers and Technicians.

The period between periodic inspection and tests can only be determined by the environment that the system is installed in, for example the harsher the environment the more regular the inspection.

Please feel free to contact us to discuss your particular requirements.

CONSUMABLES

GREEN & YELLOW PVC INSULATING TAPES

A general purpose tape for electrical purposes available in 25mm wide x 33m



FRYOLUX

Fryolux Solder Paint ideally suited to tinning and sweating of many materials.

Supplied in 125g and 500g pots



CUPROTECTIC BRAZING RODS

Suitable for brazing copper to copper without a flux.

Supplied in 1.5mm to 5mm dia and 2mm to 3mm square

1kg packs



TRANSITION WASHERS

These washers consist of a sharply profiled copper alloy washer encapsulated in protective grease. When inserted between the mating faces of a bolted connection, the sharp profile penetrates surface oxide films and the grease is extruded to form a seal against corrosion. This type of Transition Washer is designed for use between aluminium and copper/tinned copper surfaces.

Supplied in M6, M8, M10, M12, M16 and M20 sizes



EARTHMET BENDING MACHINE

Our specialist bending machine works up to 100mm x 6mm flat bar and up to 20mm diameter.

	Model No. AB2
Flats up to	1/4" x 4" (6 x 100mm)
or	1/2" x 2" (13 x 50mm)
Notched angles	4" x 4" x 1/4"
	100 x 100 x 6mm
Squares up to	3/4" (20mm)
Rounds up to	3/4" (20mm)
Width of Jaws	3 1/2"
Weight kg	42



JIZER

A powerful, non-flammable degreasing solvent which removes oil, grease, carbon, tar and bitumen from machinery and components.

Comes in a 25L tin



SCOTCH-BRITE PADS IN A ROLL

An abrasive hand pad for cleaning and preparing metal ready for brazing.

8" x 4" and 60 sheets per roll



BRAZING TAPE CLAMPS

A steel brazing clamp for a variety of materials.

Supplied in cast iron.



UNIAL JOINTING PASTE

UNIAL Universal electrical jointing paste is a unique electrical jointing compound, formulated to prevent galvanic corrosion and enhance connections in electrical joints.



NON CONDUCTIVE TAPE MEASURES

No metal parts, hence non-conductive rather than insulated, meaning it is inherently unable to carry a current. Recommended for low voltage use with proof tests up to 20kV

Supplied in a 3m length



DENSO TAPE

A waterproof tape for wrapping around joints



COPPER HAMMERS

Earthmet supply both Copper and Copper Hide hammers. They are ideal where a heavy blow is required combined with a relatively small striking area.

Faces are designed to wear and can be replaced.



CABLE PROTECTION

Tape Tile

Our cable warning and protection rolls (Tape Tile) are rolled out into the trench for quick and easy protection of low voltage, high voltage (up to 11kV), street lighting, telecoms and fibre optic cables - also suitable for underground gas and water pipe protection.



Electric: (Red/brown background with yellow tape/black lettering)

Fibre Optic: (Green background with black lettering)

Gas: (Yellow background with black lettering)

Water: (Blue background with black lettering)

Custom printed underground cable warning Tape Tile for low and high voltage power cable protection is available to all DNO specifications.

Cable Protection Covers

Our underground cable protection covers are heavy duty cable protection covers designed to withstand damage and protect HV cables from plant and hand tools - suitable for underground high voltage cable protection (22kV, 33kV, 66kV, 132kV and up to 400kV).

Stokbord cable covers are fully jointed, laid overlapped and connected with plastic jointing pegs to provide safe high voltage underground cable protection. Stokbord cable covers feature a red background with yellow top tape containing visible warning "Caution Electric Cable Below". Stokbord cable covers meet BS2482 impact requirements for underground cable cover protection.



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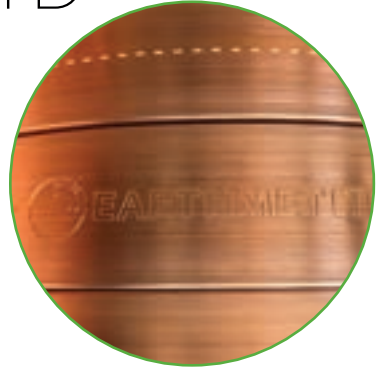
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EARTHMET LTD

THINK EARTHING... THINK EARTHMET

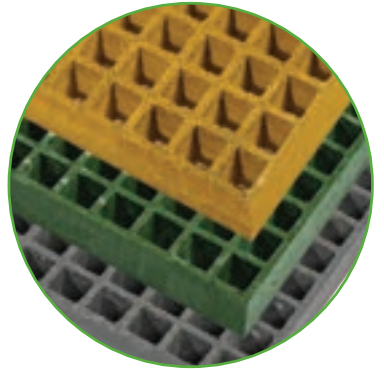
- **Copper Cable**
- **Copper Tape**
- **PVC Covered Copper Tape**



- **Power Cable**
- **Triplex**
- **Wave form**
- **Service Cable**



- **GRP Flooring**
- **Earthing & Power Cable Accessories**



- **nVent Cadweld**
- **Product Training & Awareness**
- **UK Distributor**



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EARTHMET LTD

SPECIALIST SUPPLIER TO THE SUBSTATION, RENEWABLE AND LIGHTNING PROTECTION INDUSTRIES

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