



Power cable accessories catalogue

**Earthing &
Lightning
Protection**



Jointing Tech



THE POWER TO DELIVER



Earthing Design Service



Jointing Tech's design and technical services team can provide a total solution for your earthing requirements.

Jointing Tech are able to design earthing systems and technically support projects in the power, renewable and rail industries in addition to aiding with product selection, product approvals, advise on installation and the supply of earthing materials.

The technical services we can offer include:

- Soil Resistivity Surveys
- Full Earthing Design
- Material Take Off
- Earth Resistance Testing

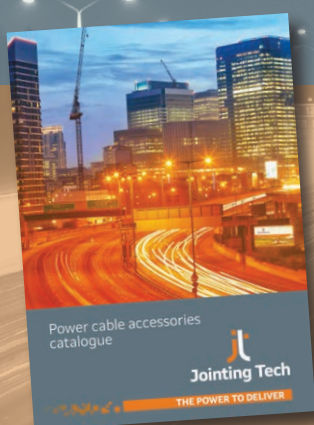
Whatever your Earthing Design or Technical Service needs, contact your local sales office today for project support!

www.jointingtech.co.uk

Earthing & Lightning Protection

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This 'mini-catalogue' focusing on Earthing & Lightning Protection is part of a larger, more comprehensive Power Cable Accessories Catalogue produced by Jointing Tech.

Please visit our website for more information and/or a copy of the full catalogue.

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THE POWER TO DELIVER

Bare Copper Tape

FEATURES

- Designed for use as conductor in earthing and lightning protection systems
- Conductor size determined by application and expected fault current
- Other sizes available on request
- High conductivity copper tape to BS EN 13601 (formerly BS 1432)
- UL 96 (TC030-UL, TC040-UL, TC080)
- Other coil sizes available
- Stamped tape available on request, e.g. 'National Grid'



Part number	Size	Weight per metre	Coil Size
TC030	25x3mm	0.67kg	25m
TC040	25x6mm	1.33kg	40m
TC065	38x6mm	2.02kg	25m

Part number	Size	Weight per metre	Coil Size
TC066	40x4mm	1.42kg	30m
TC075	50x4mm	1.78kg	30m
TC080	50x6mm	2.68kg	20m

PVC Covered Copper Tape

FEATURES

- Designed for use as conductor in earthing and lightning protection systems
- Conductor size determined by application and expected fault current
- Available in six colours
- High conductivity copper tape to BS EN 13601 (formerly BS 1432)
- PVC colours to BS 5252. * Green to BS 6746C



Part number	Colour	Size	Weight per metre	Coil Size
TC105-FU	Black	25x3mm	0.77kg	25m
TC110	Green	25x3mm	0.77kg	25m
TC115-FU	Grey	25x3mm	0.77kg	25m
TC120-FU	Stone	25x3mm	0.77kg	25m

Part number	Colour	Size	Weight per metre	Coil Size
TC125-FU	White	25x3mm	0.77kg	25m
TC130	Brown	25x3mm	0.77kg	25m
TC140-FU	Green	25x6mm	1.53kg	40m
TC145	Green	50x6mm	2.95kg	20m

Green & Yellow PVC Insulated Copper Tape

FEATURES

- Designed for use as conductor in earthing and lightning protection systems
- Conductor size determined by application and expected fault current
- High conductivity copper tape to BS EN 13601 (formerly BS 1432)
- PVC colours to BS 5252.



Part number	Colour	Size	Weight per metre	Coil Size
TC111-FU	Green & Yellow	25x3mm	0.79kg	25m

LSOH Covered Copper Tape



FEATURES

- Designed for use as conductor in earthing and lightning protection systems
- Conductor size determined by application and expected fault current.
- PVC sheath manufactured from LSOH material
- High conductivity copper tape to BS EN 13601 (formerly BS 1432)
- PVC colours to BS 6746C

Part number	Colour	Size	Weight per metre	Coil Size
TC910	Green	25x3mm	0.77kg	25m
TC940	Green	25x6mm	1.53kg	40m

Part number	Colour	Size	Weight per metre	Coil Size
TC980	Green	50x6mm	2.95kg	20m

Bare Aluminium Tape



FEATURES

- Designed for use as conductor above ground in lightning protection systems.
- High conductivity bare aluminium tape
- Aluminium tape to BS 2898-1350

Part number	Size	Weight per metre	Coil Size
TA030	25x3mm	0.21kg	50m
TA040	25x6mm	0.42kg	50m

Part number	Size	Weight per metre	Coil Size
TA068	40x6mm	0.67kg	50m
TA080	50x6mm	0.85kg	50m

PVC Covered Aluminium Tape



FEATURES

- Designed for use as conductor above ground in lightning protection systems.
- High conductivity aluminium tape
- Available in six colours
- Aluminium tape to BS 2898-1350
- PVC colours to BS 5252. * Green to BS 6746C

Part number	Colour	Size	Weight per metre
TA105	Black	25x3mm	0.30kg
TA110	Green	25x3mm	0.30kg
TA115	Grey	25x3mm	0.30kg

Part number	Colour	Size	Weight per metre
TA120	Stone	25x3mm	0.30kg
TA125	White	25x3mm	0.30kg
TA130	Brown	25x3mm	0.30kg

Hard Drawn Copper Bar

FEATURES

- Designed for use in high voltage distribution and control applications including switchgear, transformers, control panels and panel boards.
- Available bare or with tinned coating
- Other sizes available on request
- Hard drawn high conductivity copper bar to BS EN 12163



Part number	Copper	Size	Weight per metre	Length
BA205	Bare	25x3mm	0.67kg	3m
BA210	Bare	25x6mm	1.33kg	4m
BA225	Bare	38x6mm	2.03kg	4m
BA226	Bare	40x3mm	1.07kg	4m

Part number	Copper	Size	Weight per metre	Length
BA227	Bare	40x4mm	1.43kg	4m
BA230	Bare	50x6mm	2.67kg	3m
BA231	Tinned	50x6mm	2.67kg	3m

Hard Drawn Aluminium Bar

FEATURES

- Designed for use above ground in high voltage distribution and control applications including switchgear, control panels and panel boards.
- High conductivity hard drawn bar.
- Other sizes available on request
- Aluminium bar



Part number	Copper	Size	Weight per metre	Length
AL406	Bare	40x6mm	TBC	4m

Part number	Copper	Size	Weight per metre	Length
AL506	Bare	50x6mm	TBC	1m

Flat Tinned Copper Braid

FEATURES

- Electro Tin plated for extra corrosion resistance
- Other sizes available on request
- High conductivity copper wire to BS 4109-C101



Part number	Size	Weight per metre	Copper
E16mm²BRAID	16mm²	0.16kg	Tinned
E25mm²BRAID	25mm²	0.25kg	Tinned
E35mm²BRAID	35mm²	0.34kg	Tinned

Part number	Size	Weight per metre	Copper
E50mm²BRAID	50mm²	0.49kg	Tinned
E70mm²BRAID	70mm²	0.63kg	Tinned
E120mm²BRAID	120mm²	1.15kg	Tinned

PVC Covered Stranded Copper Cable



FEATURES

- Designed for use as conductor in electrical, earthing and lightning protection systems
- Green and Yellow sheath to identify as earth cable
- High conductivity PVC covered soft drawn stranded copper cable to BS 6004
- PVC colours to BS 6746C

Part number	Colour	Cross-sectional size	Weight per metre
CC016	Green & Yellow	16mm ²	0.19kg
CC025	Green & Yellow	25mm ²	0.29kg
CC035	Green & Yellow	35mm ²	0.41kg
CC050	Green & Yellow	50mm ²	0.53kg
CC070	Green & Yellow	70mm ²	0.73kg

Part number	Colour	Cross-sectional size	Weight per metre
CC095	Green & Yellow	95mm ²	1.00kg
CC120-FU	Green & Yellow	120mm ²	1.16kg
CC240	Green & Yellow	240mm ²	2.49kg
CC400-FU	Green & Yellow	400mm ²	3.90kg

Bare Stranded Copper Cable



FEATURES

- Designed for use as conductor in electrical, earthing and lightning protection systems
- High conductivity stranded copper cable
- Other sizes available on request
- Soft drawn stranded copper cable to BS EN 60228

Part number	Cross-sectional size	Weight per metre
CB016	16mm ²	0.15kg
CB025	25mm ²	0.23kg
CB035	35mm ²	0.32kg
CB050-FU	50mm ²	0.43kg
CB070	70mm ²	0.62kg

Part number	Cross-sectional size	Weight per metre
CB095	95mm ²	0.86kg
CB120	120mm ²	1.09kg
CB240	240mm ²	2.20kg
CB400-FU	400mm ²	3.53kg

Hard Drawn Copper Cable



FEATURES

- Designed for use as conductor in electrical, earthing and lightning protection systems
- High conductivity stranded hard drawn cable
- Other sizes available on request

Part number	Cross-sectional size	Weight per metre
ECHD50	50mm ²	0.53kg
ECHD70	70mm ²	0.73kg
ECHD95	95mm ²	1.00kg

Part number	Cross-sectional size	Weight per metre
ECHD125	125mm ²	1.25kg
ECHD185	185mm ²	2.01kg

Metallic DC Tape Clips

FEATURES

- Designed to fix down conductors to a building or structure
- DC tape clips manufactured from high quality copper alloy
- Excellent corrosion resistance and high pull off loads
- Tested to BS EN 50164
- UL 96 (CP210-H, CP220-H)



Part number	Material	Size	Weight each
CP210-H	Copper	25x3mm	0.07kg
CP220-H	Copper	25x6mm	0.08kg

Part number	Material	Size	Weight each
CP110-H	Aluminium	25x3mm	0.03kg
CP120-H	Aluminium	25x6mm	0.04kg

Adjustable Metallic DC Tape Clips

FEATURES

- Designed to be range taking and fix conductors to a building or structure
- DC tape clips manufactured from high quality copper alloy
- Excellent corrosion resistance and high pull off loads
- Tested to BS EN 50164
- UL 96 (CP260-H)



Part number	Material	Size	Weight each
CP240-H	Copper	38x3mm - 40x6mm	0.12kg

Part number	Material	Size	Weight each
CP260-H	Copper	50x3mm - 50x6mm	0.16kg

Non-Metallic DC Tape Clips

FEATURES

- Designed to fix conductors to a building or structure.
- Manufactured from high grade polypropylene
- UV stabilised and non brittle with high pull off loads.
- Available in 7 colours to match bare & pvc covered copper and aluminium tapes
- Tested to BS EN 50164



Part number	Use With	Colour	Size	Weight each
CP015	Bare Tape	Brown	25x3mm	0.01kg
CP020	Bare Tape	Grey	25x3mm	0.01kg
CP065	Bare Tape	Brown	50x6mm	0.02kg
CP025	PVC Covered Tape	Brown	25x3mm	0.01kg
CP030	PVC Covered Tape	Black	25x3mm	0.01kg

Part number	Use With	Colour	Size	Weight each
CP035	PVC Covered Tape	Green	25x3mm	0.01kg
CP040	PVC Covered Tape	Grey	25x3mm	0.01kg
CP045	PVC Covered Tape	Stone	25x3mm	0.01kg
CP050	PVC Covered Tape	White	25x3mm	0.01kg

Crossover Clamps



FEATURES

- Designed for forming cross joints in tapes fixed to a building or structure
- Screws are retained in 1 part of clamp with O rings when fitting conductor to prevent screws being lost and ensure a simple installation
- Manufactured from high quality copper alloy
- Low resistance connection between overlapping tapes
- Available in copper or aluminium
- BS EN 50164-1 Class H

Part number	Material	Size	Weight each
CX105-H	Copper	25x3mm	0.09kg

Part number	Material	Size	Weight each
CX005-H	Aluminium	25x3mm	0.03kg

Square Tape Clamps



FEATURES

- Designed for forming cross, tee, through and right angle joints with tapes that are fixed to a building or structure
- Screws are retained in one part of clamp with O rings when fitting conductor to prevent screws being lost and ensure a simple installation
- Manufactured from high quality copper alloy
- Low resistance connection between overlapping tapes
- Available in copper or aluminium
- BS EN 50164-1 Class H
- UL 96 (CT105H, CT110-H, CT115-H)

Part number	Material	Size	Weight each
CT105-H	Copper	25x3mm	0.12kg
CT110-H	Copper	25x6mm	0.30kg

Part number	Material	Size	Weight each
CT115-H	Copper	50x6mm	0.60kg
CT005-H	Aluminium	25x3mm	0.06kg

Oblong Test Clamps



FEATURES

- Designed to connect lightning protection to earthing system & facilitate periodic testing
- Manufactured from high quality copper alloy
- Low resistance connection between overlapping tapes
- Available in copper or aluminium
- BS EN 50164-1 Class H
- UL 96 (CN105-H)

Part number	Material	Size	Weight each
CN105-H	Copper	25x3mm	0.29kg

Part number	Material	Size	Weight each
CN005	Aluminium	25x3mm	0.12kg

'B' Bonds

FEATURES

- Designed to facilitate bonding to steel structures onto a lightning protection system
- Manufactured from high quality copper alloy
- Available in copper or aluminium
- BS EN 50164-1 Class H, BS 7430



Part number	Material	Max Tape Width	Weight each
BN105	Copper	26mm	0.12kg

Part number	Material	Max Tape Width	Weight each
BN005	Aluminium	26mm	0.06kg

RWP Bonds

FEATURES

- Designed to facilitate bonding of rainwater pipes and handrails onto lightning protection system
- Manufactured from high quality copper alloy
- Available in copper or aluminium
- BS 7430



Part number	Material	Max Tape Width	Weight each
BN115	Copper	26mm	0.12kg

Part number	Material	Max Tape Width	Weight each
BN010	Aluminium	26mm	0.07kg

Pipe Bonds

FEATURES

- Designed to facilitate bonding of ducts and large diameter pipes onto lightning protection system
- Manufactured from high quality copper alloy
- Available in copper or aluminium
- BS EN 50164-1 Class H, BS 7430



Part number	Material	Weight each
BN175	Copper	0.46kg

Part number	Material	Weight each
BN176	Aluminium	0.25kg

Braid Bonds

FEATURES

- Designed to facilitate the bonding of gates, doors & fences to lightning protection system
- Manufactured from high quality copper braids
- Other sizes available on request
- BS 7430



Part number	Hole Centres	Weight each
BN505	200mm	0.09kg

Part number	Hole Centres	Weight each
BN510	400mm	0.15kg

Copperbond Earth Rods



FEATURES

- Designed to be driven into the ground to provide a low resistance to earth for the interconnected lightning protection system
- Manufactured by molecularly bonding 99.9% copper on to a low carbon steel core
- Copper thickness minimum 250 microns
- BS EN 50164-2, BS 7430

Part number	Material	Size	Weight each
RB205-FU	Copperbond	5/8" x 1200mm	1.53kg
RB210	Copperbond	5/8" x 1500mm	1.88kg
RB215	Copperbond	5/8" x 1800mm	2.29kg
RB220-FU	Copperbond	5/8" x 2100mm	2.51kg
RB225	Copperbond	5/8" x 2400mm	3.00kg
RB235	Copperbond	5/8" x 3000mm	3.79kg

Part number	Material	Size	Weight each
RB305	Copperbond	3/4" x 1200mm	2.19kg
RB310	Copperbond	3/4" x 1500mm	3.27kg
RB320-FU	Copperbond	3/4" x 2100mm	3.83kg
RB325	Copperbond	3/4" x 2400mm	4.35kg
RB335	Copperbond	3/4" x 3000mm	5.44kg

Coupling



FEATURES

- Designed to interconnect earth rods to enable earth rod assembly to be driven deeper to lower resistance
- Manufactured from high copper content alloy
- Excellent resistance to corrosion
- BS EN 50164-1

Part number	Material	Size	Weight each
CG270	Copper	5/8"	0.08kg

Part number	Material	Size	Weight each
CG370	Copper	3/4"	0.13kg

Driving Stud



FEATURES

- Designed to be used in conjunction with a coupling to drive the earth rod into the ground and avoid damaging the threads of the rod
- Manufactured from carbon steel
- BS EN 50164-1

Part number	Material	Size	Weight each
DST200	Steel	5/8"	0.08kg

Part number	Material	Size	Weight each
DST300	Steel	3/4"	0.12kg

Solid Copper Earth Rods

FEATURES

- Designed to be driven into the ground to provide a low resistance to earth for the interconnected lightning protection system
- Solid copper rods offer a greater resistance to corrosion
- Ideal for soil with a high salt content



Part number	Material	Size	Weight each
RC010	Solid Copper	15mm x 1200mm	1.88kg

Part number	Material	Size	Weight each
RC015	Solid Copper	20mm x 1200mm	3.34kg

Coupling Dowel

FEATURES

- Designed to interconnect earth rods to enable earth rod assembly to be driven deeper to lower resistance
- Ideal for soil with high salt content.



Part number	Material	Size	Weight each
CG013	Copper	15/20mm	0.02kg

Driving Stud

FEATURES

- Designed to be used in conjunction with a coupling to drive the earth rod into the ground and avoid damaging the threads of the rods
- Manufactured from hardened steel



Part number	Material	Size	Weight each
ST010	Hardened steel	15mm	0.02kg

Part number	Material	Size	Weight each
ST015	Hardened steel	20mm	0.05kg

Over Spike

FEATURES

- Designed to aid the rod to be driven into the ground using a sharp spike
- Manufactured from hardened steel



Part number	Material	Size	Weight each
SP010	Hardened steel	15mm	0.02kg

Part number	Material	Size	Weight each
SP015	Hardened steel	20mm	0.05kg

Earth Plates - Lattice & Solid Copper



FEATURES

- Designed to be buried in the ground to provide a low resistance to earth for the interconnected lightning protection system
- Manufactured from high conductivity copper
- Available in either solid or lattice copper
- Lattice to BS EN 13601
- Solid copper to BS EN 12163

Part number	Description	Size	Weight each
PE110	Lattice	600 x 600 x 3mm	3.98kg
PE120	Lattice	900 x 900 x 3mm	7.20kg

Part number	Description	Size	Weight each
PE010	Solid Copper	600 x 600 x 3mm	9.74kg
PE020	Solid copper	900 x 900 x 3mm	21.74kg

Marconite



FEATURES

- Designed to be added in place of sand and aggregate to cement to provide a conductive aggregate which lowers the resistance to earth.
- When used as a backfill for earth electrodes marconite impregnated concrete greatly increases the electrode's surface area.
- Ideal for poor ground conditions where low resistances are problematical
- A permanent solution that doesn't dry out like moisture retaining clay in inclement weather conditions
- Available in powder and granules
- Please contact Jointing Tech to calculate quantity of materials required using Backfill software

Part number	Type	Weight
MARCONITE	Powder	25kg

Part number	Type	Weight
MARCONITE-PM	Granules	25kg

Bentonite



FEATURES

- Designed to be mixed with water to produce a moisture retaining clay which lowers the resistance to earth
- The clay is a sodium activated montmorillonite which when mixed with water swells to many times its dry volume
- Bentonite has the ability to hold moisture content for a considerable period of time and absorb moisture from the surrounding area
- Ideal for poor ground conditions where low resistances are problematical
- Available in powder and granules
- Contact your nearest sales office and using the Furse Backfill software we will advise on the quantity required for each installation

Part number	Type	Weight each
CM015	Powder	25kg

Part number	Type	Weight each
CM015-PM	Granules	25kg

Rod to Tape Clamp (Type A)

FEATURES

- Designed to connect earth rod to copper tape to complete earth rod assembly
- Manufactured from high quality copper alloy
- Phosphor bronze fitting
- BS EN 50164-1 (Class H)
- BS 7430
- UL 467 (CR105)



Part number	Rod Diameter	Conductor Size	Weight each
CR105	5/8"	26 x 12mm	0.15kg
CR105	3/4"	26 x 10mm	0.15kg

Part number	Rod Diameter	Conductor Size	Weight each
CR115	5/8"	51 x 8mm	0.30kg
CR125	3/4"	51 x 12mm	0.30kg

Rod to Cable Clamp (Type G)

FEATURES

- Designed to connect earth rod to copper cable to complete earth rod assembly
- Manufactured from high quality copper alloy
- Phosphor bronze fitting
- BS EN 50164-1 (Class H)
- BS 7430



Part number	Rod Diameter	Conductor Size	Weight each
CR515	5/8"	16-70mm²	0.06kg

Part number	Rod Diameter	Conductor Size	Weight each
CR520	3/4"	35-95mm²	0.06kg

Rod to Cable Lug Clamp (Type B)

FEATURES

- Designed to connect earth rod to copper cable via lug to complete earth rod assembly.
- Manufactured from high quality copper & aluminium alloys
- Phosphor bronze fitting
- BS 7430



Part number	Rod Diameter	Stud	Weight each
CR205	3/8"	M8	0.09kg
CR215	5/8"	M10	0.30kg

Part number	Rod Diameter	Stud	Weight each
CR225	3/4"	M10	0.30kg

'U' Bolt Rod Clamp (Type E)



FEATURES

- Designed to facilitate the connection of rod or rebar to copper cable with a lug
- Manufactured from high quality copper alloy
- Phosphor bronze fittings
- BS 7430
- UL 467 (CR305)

Part number	Rod Diameter	Hole Centres	Weight each
CR305	5/8"	37mm	0.20kg

Part number	Rod Diameter	Hole Centres	Weight each
CR310	3/4"	37mm	0.20kg

'U' Bolt Rod Clamp (Type E) - CR320



FEATURES

- Designed to facilitate the connection of rod or rebar to copper tape
- Includes additional back plate to allow the tape to be clamped without drilling
- Manufactured from high quality copper alloy
- Phosphor bronze fittings
- BS 7430

Part number	Rod Diameter	Conductor Width	Hole Centres	Weight each
CR320	5/8"	25mm	37mm	0.26kg

Rod to Cable Clamp (Type GUV)



FEATURES

- Designed to facilitate the connection of rod or rebar to larger sizes of copper cable
- Manufactured from high quality copper alloy.
- Phosphor bronze fittings
- BS EN 50164-1 Class H, BS 7430
- UL 467

Part number	Rod Diameter	Conductor Range	Hole Centres	Weight each
CR700	5/8"	16-95mm ²	37mm	0.39kg
CR705	5/8"	70-185mm ²	37mm	0.39kg
CR730	5/8"	150-300mm ²	37mm	0.62kg

Part number	Rod Diameter	Conductor Range	Hole Centres	Weight each
CR700	3/4"	16-70mm ²	37mm	0.39kg
CR705	3/4"	70-150mm ²	37mm	0.39kg
CR730	3/4"	150-300mm ²	37mm	0.62kg

Concrete Inspection Pit

FEATURES

- Designed to provide access to the earth rod assembly for periodic testing
- The concrete inspection pit is load rated to 3,500kg
- Not suitable in areas where high load small wheel vehicles are used
- Available with integral earth bars (see below)



Part number	Description	Material	Weight each
PT005	Concrete Inspection Pit	Concrete	30kg

Lightweight Inspection Pit

FEATURES

- Designed to provide access to the earth rod assembly for periodic testing
- Suitable for most types of earthing & lightning protection installations
- Manufactured from high performance polymer, UV stable & chemically resistant
- The lightweight inspection pit is load rated to 5,000kg
- The lightweight earth pit has a lockable lid
- Available with integral earth bar (see below)



Part number	Description	Material	Weight each
PT205	Lightweight Inspection Pit	Polymer	1.80kg

Inspection Pit Earth Bars

FEATURES

- Designed to fit inside inspection pits to facilitate multiple terminations
- Pre-drilled high conductivity copper bar



Part number	Inspection Pit	Description	Material	Weight each
PT004	Lightweight	5 Hole Earth Bar	Copper	0.40kg
PT006	Concrete	5 Hole Earth Bar	Copper	0.40kg
PT007	Concrete	7 Hole Earth Bar	Copper	0.58kg

Silfos

FEATURES

- Self fluxing brazing compound used to make a permanent connection when joining copper conductors
- Used in substation earthing where space is restricted
- An alternative to tape to tape connections and exothermic welding



Part number	Size	Weight	Coil Size
FS005	50 x 12mm	0.50kg	8m

Earth Bars



FEATURES

- Earth Bars are an efficient and convenient way of providing a common earth point with integral disconnecting links which facilitate easy isolation for testing purposes
- Manufactured out of high conductivity 50x6mm HD copper bar
- The PVC channel base is entirely corrosion proof - made with high impact uPVC unlike the traditional galvanised steel channel
- Lighter and easier to handle - the use of a modern polymer channel has reduced the weight of the product making it easier to handle
- M10 phosphor bronze stud assemblies
- Pre-drilled holes for ease of installation
- A range of four designs to meet most installation requirements
- Custom made earth bar service available

Standard Earth Bar



FEATURES

- A standard earth bar to facilitate multiple connections to earth

Part number	No. of Ways	Stud	Size	Weight each
LK245-4	4	M10	300 x 90 x 90mm	1.4kg
LK245-6	6	M10	400 x 90 x 90mm	1.80kg
LK245-8	8	M10	500 x 90 x 90mm	2.20kg
LK245-10	10	M10	650 x 90 x 90mm	2.80kg
LK245-12	12	M10	750 x 90 x 90mm	3.20kg

Part number	No. of Ways	Stud	Size	Weight each
LK245-16	16	M10	950 x 90 x 90mm	4.00kg
LK245-20	20	M10	1200 x 90 x 90mm	5.00kg
LK245-24	24	M10	1400 x 90 x 90mm	5.80kg
LK245-28	28	M10	1650 x 90 x 90mm	6.90kg

Earth Bar with Single Disconnecting Link



FEATURES

- An earth bar with single disconnecting link to facilitate multiple connections to earth with the option of isolating for testing purposes

Part number	No. of Ways	Stud	Size	Weight each
LK243-4	4	M10	375 x 90 x 96mm	1.9kg
LK243-6	6	M10	475 x 90 x 96mm	2.30kg
LK243-8	8	M10	575 x 90 x 96mm	2.70kg
LK243-10	10	M10	725 x 90 x 96mm	3.30kg
LK243-12	12	M10	825 x 90 x 96mm	3.70kg

Part number	No. of Ways	Stud	Size	Weight each
LK243-16	16	M10	1025 x 90 x 96mm	4.50kg
LK243-20	20	M10	1275 x 90 x 96mm	5.50kg
LK243-24	24	M10	1475 x 90 x 96mm	6.30kg
LK243-28	28	M10	1725 x 90 x 96mm	7.40kg

Earth Bar with Twin Disconnecting Link

FEATURES

- An earth bar with twin disconnecting links to facilitate multiple connections to earth with the option of isolating from either side of the earth bar for testing purposes



Part number	No. of Ways	Stud	Size mm	Weight each
LK207-6	6	M10	550 x 90 x 96mm	2.80kg
LK207-8	8	M10	650 x 90 x 96mm	3.20kg
LK207-10	10	M10	800 x 90 x 96mm	3.80kg
LK207-12	12	M10	900 x 90 x 96mm	4.20kg

Part number	No. of Ways	Stud	Size mm	Weight each
LK207-16	16	M10	1100 x 90 x 96mm	5.00kg
LK207-20	20	M10	1350 x 90 x 96mm	5.50kg
LK207-24	24	M10	1550 x 90 x 90mm	6.80kg
LK207-28	28	M10	1800 x 90 x 90mm	7.90kg

Disconnecting Link

FEATURES

- A disconnecting link to enable easy isolation for testing purposes

Part number	Description	Size mm	Weight each
LK205	Disconnecting Link	125 x 90 x 90	5.90kg



Swan Neck Accessory

FEATURES

- Designed to facilitate an easy connection from the main earth bar to the earth ring without the need to bend the copper
- Manufactured from hard drawn copper bar

Part number	Description	Size mm	Weight each
LK004	Swan Neck	400 x 50 x 36	0.42kg



Insulator

FEATURES

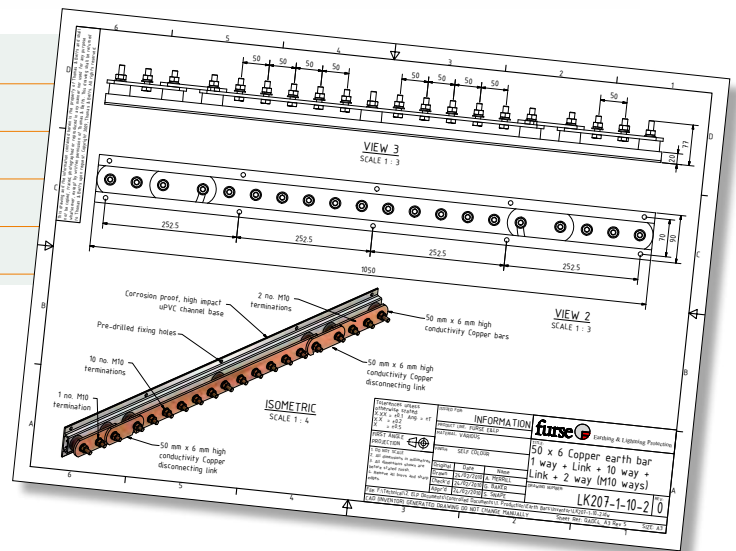
- High quality zero halogen stand off insulator
- Manufactured from DMC with brass inserts

Part number	Description	Thread size mm	Weight each
IN005	Insulator with Stud Assembly	M10	0.22kg





- Competitive Pricing
- Quick Delivery Service on ALL orders.
- High quality product
- Technical Backup (Design & Installation)
- Product datasheets available on request



EARTH BAR SELECTION CHECKLIST

- No of Earth Connections Required _____
- Hole Centres mm (e.g. 50mm) _____
- Size of Hard Drawn Bar (e.g. 50x6mm) _____
- Type of Fittings (e.g. phosphor bronze) _____
- Size of Fittings (e.g. M10) _____
- Type of Base (e.g. PVC) _____

PLEASE CONTACT YOUR NEAREST SALES OFFICE FOR MORE INFORMATION

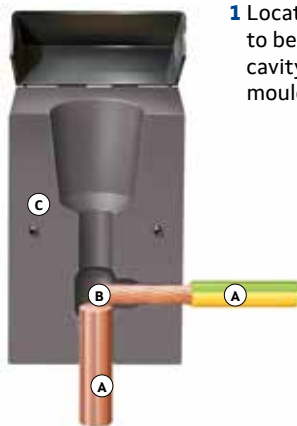
The FurseWELD Process

FEATURES

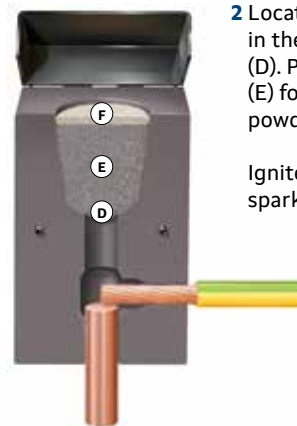
- Furseweld exothermic welding is a cost efficient method of making a large or small number of high quality electrical connections
- A simple self contained system that uses the high temperature reaction of powdered copper oxide and aluminium within a mould to form permanent electrical connections
- Typical applications include Earthing for power plants & substations, transmission and power distribution lines, cathodic protection and rail connections
- Requires no external power or heat source
- Is completely portable
- Can be used safely with minimum training



Making a FurseWELD joint is a simple procedure as illustrated below:

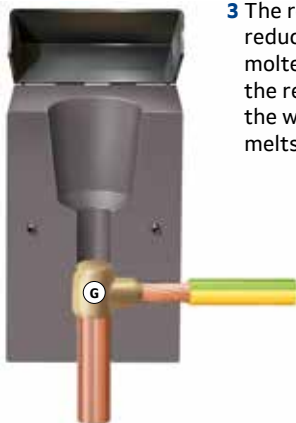


- 1** Locate the conductors (A) to be joined in the weld cavity (B) and close the mould (C).



- 2** Locate 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.

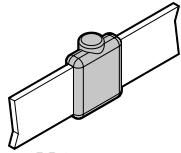


- 3** The resulting exothermic reaction reduces the weld powder to molten copper alloy which melts the retaining disc and flows into the weld cavity where it partially melts the conductors (G).

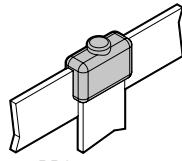
- 4** The molten copper alloy cools to leave a fusion weld of great mechanical and electrical integrity.



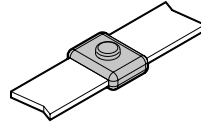
Bar to bar



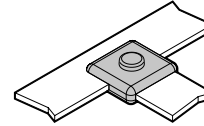
BB1



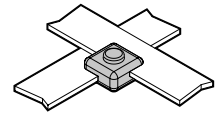
BB3



BB7

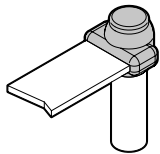


BB14

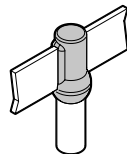


BB41

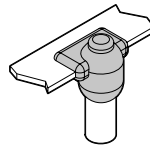
Bar to earth rod



BR1

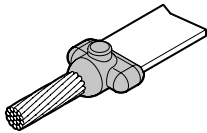


BR2

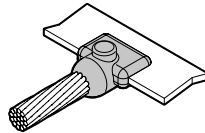


BR7

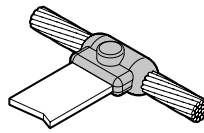
Cable to bar



CB1

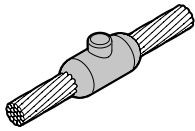


CB4

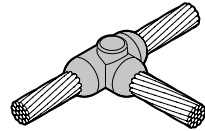


CB5

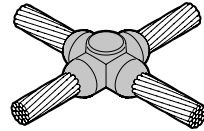
Cable to cable



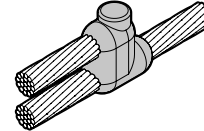
CC1



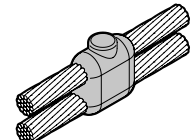
CC2



CC4

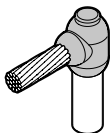


CC6

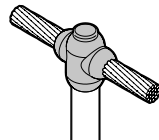


CC7

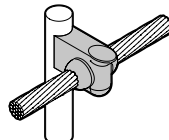
Cable to earth rod



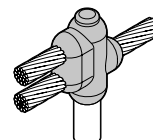
CR1



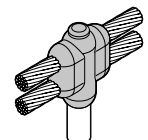
CR2



CR3



CR17



CR24

Anti-Vandal Guard

FEATURES

- Anti-Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes up to 50mm wide
- Easy to secure using security pins into concrete structures
- Low Profile with galvanised finish offers a long lasting resistance to corrosion



Part number	Width	Length
AVS025-1100	25mm	1.1m
AVS040-1100	40mm	1.1m

Part number	Width	Length
AVS050-1100	50mm	1.1m

Anti-Vandal Guards - Section

FEATURES

- Anti-Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes up to 50mm wide
- Easy to secure
- Low Profile with galvanised finish offers a long lasting resistance to corrosion



Part number	Width	Length
AVS025-300	25mm	300m
AVS040-300	40mm	300m

Part number	Width	Length
AVS050-300	50mm	300m

Anti Vandal Guards - Section

FEATURES

- Anti Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes upto 50mm wide
- Easy to secure using security pins into concrete structures
- Low Profile with galvanised finish offers a long lasting resistance to corrosion



Part number	Width
AVL025	25mm
AVL040	40mm

Part number	Width
AVL050	50mm

Anti-Vandal Guards - 3 Way Cover

FEATURES

- Anti-Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes upto 50mm wide
- Easy to secure using security pins into concrete structures
- Low Profile with galvanised finish offers a long lasting resistance to corrosion



Part number	Width
AVT025	25mm
AVT040	40mm

Part number	Width
AVT050	50mm

Anti-Vandal Guards - 4 Way Cover



FEATURES

- Anti-Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes upto 50mm wide
- Easy to secure using security pins into concrete structures
- Low Profile with galvanised finish offers a long lasting resistance to corrosion

Part number	Width
AVX025	25mm
AVX040	40mm

Part number	Width
AVTX050	50mm

Anti-Climb Paint



FEATURES

- Anti-Climb paint is used to prevent climbing on objects such as lamp posts, walls and fences using a non-drying oil that keeps the surface greasy and slippery
- It leaves its mark on the person touching it and hence makes it possible for intruders to be identified
- Can be used in hot and cold weather conditions

Part number	Volume
ATPAINT	0.5l

Camouflage Paint



FEATURES

- Camouflage paint is used to disguise copper as aluminium to deter theft

Part number	Volume
CAMPAIN	5l



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