

CATHODIC PROTECTION JOINT CPJ RANGE

The CPJ range of compact branch cable splice kits is designed for unarmoured cables up to 1 kV rating. The main application is the jointing of single core anode cable to a d.c. feeder cable in groundbeds for the cathodic protection of buried structures.



| Max. Cable Size Single Core (mm ²) | Max. Branch Single Core (mm ²) | Basic Kit – No Connector | | Kit with Split-Bolt Line-Tap | |
|---|---|--------------------------|--|------------------------------|-------------------|
| | | Part Number | | Part Number | Kit Includes |
| 120 | 95 | CPJ | | CPJ+C | Joint + 1 x MC3/4 |

Cables are connected together using split bolt or line tap connectors:

Service Branch Type - MC3 Range - Uncut Main



| Main Cable | Branch to max | | | | | |
|-------------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|
| | 6mm ² | 10mm ² | 16mm ² | 35mm ² | 70mm ² | 95 - 120mm ² |
| 1.5 - 6mm ² | MC3 | MC3/0 | MC3/1 | MC3/2 | MC3/3 | MC3/4 |
| 10mm ² | MC3/0 | MC3/0 | MC3/1 | MC3/2 | MC3/3 | MC3/4 |
| 16mm ² | MC3/1 | MC3/1 | MC3/1 | MC3/2 | MC3/3 | MC3/4 |
| 25 - 35mm ² | MC3/2 | MC3/2 | MC3/2 | MC3/2 | MC3/3 | MC3/4 |
| 50 - 70mm ² | MC3/3 | MC3/3 | MC3/3 | MC3/3 | MC3/3 | MC3/4 |
| 95 - 120mm ² | MC3/4 | MC3/4 | MC3/4 | MC3/4 | MC3/4 | MC3/4 |

CTL two-part resin



Features

- Two part Polyurethane resin in hermetically-sealed plastic-film pouches, protected in aluminium foil.
- Mixing is carried out in sealed conditions, transparent pack ensures visibility. Clean – no need for skin contact but safety gloves are provided.
- Clear mixing instructions on every pack.
- Controlled curing temperature designed to be compatible with PVC, XLPE, EPR, polythene, and PILC cables.
- Full health and safety labelling.
- Batch number and use-by date on every pack.
- Meets requirements of BS 6910 and CENELEC HD623 S1.

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Data Sheet CASP01 Rev 01

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Mixed properties

Packs designed to contain factory pre-arranged quantities of resin and hardener



Specific gravity 1.40 Resin, 1.22 Hardener

(Density) g/ml 1.36 Mixed system

Colour Cream (Standard)

Gel Time 20-30 minutes at 210C for 200g mass

Peak Exotherm 54-750C depending on volume and ambient temperature, in compliance with BS 6910

Complete cure time at 230C – 24 hours

Shelf Life at 800C – 1 hour

Specification 24 months when stored 5 – 150C, in compliance with BS 6910

Operating temp. -400C to + 1000C continuous, for cured product

Thermal Conductivity >0.4w/mK

Tensile Strength 45 MPa

Electrical Strength 20kV/mm

Health and Safety Each pack contains mixing instructions and carries health and safety warnings in accordance with BS 6910.

