

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					95 - 120mm ²
	6mm ²	10mm ²	16mm ²	35mm ²	70mm 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.

Pipeline Maintenance Limited

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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.

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