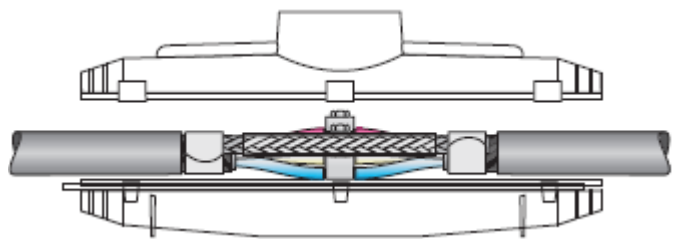
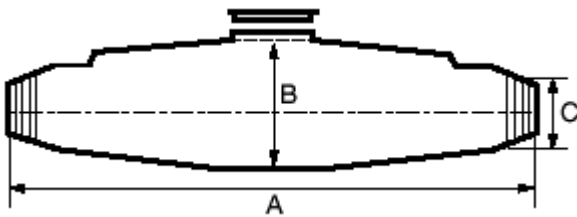




## Shell Dimensions

| Straight-through Joints |     |     |         |         |
|-------------------------|-----|-----|---------|---------|
| Type                    | A   | B   | C       |         |
|                         |     |     | Minimum | Maximum |
| CM0 Range               | 200 | 35  | 5       | 20      |
| CM1 Range               | 250 | 45  | 8       | 30      |
| CM2 Range               | 320 | 60  | 10      | 34      |
| CM3 Range               | 450 | 75  | 30      | 48      |
| CM4 Range               | 550 | 100 | 40      | 66      |

All shells are injection-moulded from high-impact polycarbonate to form clear, rigid and strong pairs which clip together easily and provide a robust seal to prevent resin leakage



Supplied complete with 4 mechanical connectors and Allen Key  
Everything needed to complete a cable joint - all in one box!

## Mechanical Connectors

| Joint Type | Mechanical Connectors included |
|------------|--------------------------------|
| CM0 Range  | 4 × MC1/0 and Allen Key        |
| CM1 Range  | 4 × MC1/1 and Allen Key        |
| CM2 Range  | 4 × MC1/2 and Allen Key        |
| CM3 Range  | 4 × MC1/3 and Allen Key        |
| CM4 Range  | 4 × MC1/3 and Allen Key        |

## Mechanical Connectors - MC1 Range

| Brass Connectors (set of 4) with Allen Key |                               |                               |                               |                                |
|--|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Core Sizes mm <sup>2</sup>                 | To Maximum 10 mm <sup>2</sup> | To Maximum 25 mm <sup>2</sup> | To Maximum 50 mm <sup>2</sup> | To Maximum 120 mm <sup>2</sup> |
| 1.5 - 10                                   | MC1/0                         | MC1/1                         | MC1/2                         | MC1/3                          |
| 16 - 25                                    | MC1/1                         | MC1/2                         | MC1/2                         | MC1/3                          |
| 35 - 50                                    | MC1/2                         | MC1/2                         | MC1/2                         | MC1/3                          |
| 70 - 120                                   | MC1/3                         | MC1/3                         | MC1/3                         | MC1/3                          |

The range of ProPower LV Resin cable joints represents the very best available in terms of design, quality, ease of use and relevant certification

### Injection Moulded Shells

Rigid and very strong, their snap-lock design forms an excellent seal and prevents egress of resin

### Mechanical Connectors

These have been especially designed to match the same range of cable sizes as the joints they are supplied with, machined from solid brass, they are suitable for either copper or aluminium conductors. Two Allen screws for each core ensure a sound electrical performance and an Allen key is also provided with each kit to ensure that everything needed to join a cable is included in the one box

### Earth Braid (Not EX variants)

Offers significant advantages over "single wire type" earth continuity systems, which can fail if poorly positioned within wire armour cores that have "spread". The flat, soft braid ensures good electrical contact and is insulated for extra protection

### Constant Force Springs (Not EX variants)

Cable joints move and expand due to earth shift and heat from electrical current. Constant force springs react to this movement and maintain a sound electrical connection between the steel wire armouring and the earth continuity braid

### Core separators

Provide safe separation of cores and connectors

### Two-part resin

This long-proven resin formula is of such quality that it is equally suitable for both LV and MV applications and provides excellent adhesion to PVC, XLPE, polythene and paper cables. It is supplied in two-part easy-mix packaging, ensuring both convenience and safety

### Packaging

Pro Power joints are supplied in especially robust and rigid boxes to withstand stacking both in warehouses and in pallets. These boxes are also popular with jointers since they can be used as "mini workbenches"

### Instructions

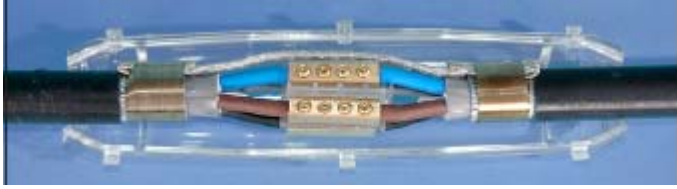
Detailed, clear and concise instruction sheets, mostly printed in full colour, ensure there is no ambiguity about safe jointing procedures

### Certification

To CENELEC HD 623.S1/DIN VDE 0278, now renamed EN50393:2006 (BS6910 and BS7888 standards are now obsolete)

## LV Joints for Armoured Cables

c / w mechanical connectors and earth continuity kits



| Quick Selection |  |     |   |   |    |    |    |    |    |    |    |     |         |     |     |
|-----------------|--|-----|---|---|----|----|----|----|----|----|----|-----|---------|-----|-----|
| No of Cores     | Armoured Cable Size (mm <sup>2</sup> ) |     |   |   |    |    |    |    |    |    |    |     |         |     |     |
|                 | 1.5                                    | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150     | 185 | 240 |
| 2               | A                                      |     |   |   | B  |    |    | C  |    |    | D  |     |         | E   |     |
| 3               | A                                      |     |   | B |    |    | C  | D  |    |    |    | E   | Special |     |     |
| 4               | A                                      |     |   | B |    |    | C  | D  |    |    |    | E   | Special |     |     |

## LV Joints for Unarmoured Cables

c / w mechanical connectors



| Quick Selection |  |     |   |     |     |    |     |     |    |    |     |         |         |     |     |
|-----------------|--|-----|---|-----|-----|----|-----|-----|----|----|-----|---------|---------|-----|-----|
| No of Cores     | Unarmoured Cable Size (mm <sup>2</sup> ) |     |   |     |     |    |     |     |    |    |     |         |         |     |     |
|                 | 1.5                                      | 2.5 | 4 | 6   | 10  | 16 | 25  | 35  | 50 | 70 | 95  | 120     | 150     | 185 | 240 |
| 2               | AEX                                      |     |   |     | BEX |    |     | CEX |    |    | DEX |         |         | EEX |     |
| 3               | AEX                                      |     |   | BEX |     |    | CEX | DEX |    |    |     | EEX     | Special |     |     |
| 4               | AEX                                      |     |   |     | BEX |    | CEX | DEX |    |    | EEX | Special |         |     |     |

## CTL Cold-Pour Two-Part Resins

### Features:



- Two-part Polyurethane resin in protective aluminium foil
- Mixing is performed in sealed conditions - no need for skin contact but safety gloves are provided
- Controlled curing temperature designed to be compatible with PVC, XLPE, EPR, Polythene and PILC cables
- Clear mixing instructions on every pack
- Full Health and Safety labelling
- Batch number and use-by-date on every pack
- Designed to meet the requirements of BS 6910, BS7888, CENELEC HD623 S1 and EN50393:2006
- The same well-proven high quality resin formula is used as standard throughout both the LV and MV ranges

# LV Resin Cable Joints

| Specifications        |   |
|-----------------------|---|
| Mixed Properties      | Pack designed to contain factory dispensed quantities of resin and hardener   |
| Specific Gravity      | 1.4 Resin, 1.22 Hardener  |
| Density (g / ml)      | 1.36 mixed system   |
| Colour                | Cream (standard)  |
| Gel Time              | 20 - 30 minutes at 21°C for 200 g mass  |
| Peak Exothermic       | 54 - 75°C depending upon volume and ambient temperature   |
| Complete Cure Time    | at 23°C - 24 hours<br>at 80°C - 1 hour  |
| Shelf Life            | 24 months when stored at 5°C - 15°C   |
| Operating Temperature | -40°C to +100° C continuous, for cured product  |
| Thermal Conductivity  | >0.4 w / mK   |
| Tensile Strength      | 45 MPa  |
| Electrical Strength   | 20 kV / mm  |
| Health and Safety     | Each pack contains mixing instructions and carries health and safety warnings. H and S (COSHH) Information Sheet available upon request |
| Transportation        | No special labelling required for shipments by air, sea or road (UN No 2489, packaging group III)                                       |



| Joint Type | Useable Volume of Pack |
|------------|------------------------|
| CM0 Range  | 180 ml                 |
| CM1 Range  | 350 ml                 |
| CM2 Range  | 825 ml                 |
| CM3 Range  | 1,850 ml               |
| CM4 Range  | 3,825 ml               |

## Part Number Table

| Description                       | Part Number |
|-----------------------------------|-------------|
| Cable Joint, Armoured, 5 - 20 mm  | CM0+C       |
| Cable Joint, Armoured, 8 - 30 mm  | CM1+C       |
| Cable Joint, Armoured, 10 - 34 mm | CM2+C       |
| Cable Joint, Armoured, 30 - 48 mm | CM3+C       |
| Cable Joint, Armoured, 40 - 66 mm | CM4+C       |

| Description                         | Part Number |
|-------------------------------------|-------------|
| Cable Joint, Unarmoured, 5 - 20 mm  | CM0+CEX     |
| Cable Joint, Unarmoured, 8 - 30 mm  | CM1+CEX     |
| Cable Joint, Unarmoured, 10 - 34 mm | CM2+CEX     |
| Cable Joint, Unarmoured, 30 - 48 mm | CM3+CEX     |
| Cable Joint, Unarmoured, 44 - 66 mm | CM4+CEX     |

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