

Resin Joints



Low Voltage Universal Cable Jointing Kits (Straight & Branch)

Application

- > For copper and aluminium conductors, including lightweight, easy flow resin.

Characteristics

- > Prysmian's cast resin Universal Straight (MST) and Branch (MBR) cable joints are the ideal method for joining today's polymeric industrial cables.
- > The Low Voltage Cable Jointing Kits are designed around transparent vacuum moulded shells which offer the installer greater working dimensions, plus a specially designed flange sealing system.
- > Lightweight two part easy flow Polyurethane Resin is provided as standard, suitably packed in a foil-laminated sachet offering a completely enclosed Resin Mixing System.

Joint Features & Benefits

- > Suitable for both copper and aluminium conductors
- > Large, transparent, high impact resistant shells
- > Large internal working space
- > Simple precision flange sealing system
- > Armour bonds included
- > Tested and approved to BS EN 50393 & ENA ER C81

Resin Features & Benefits

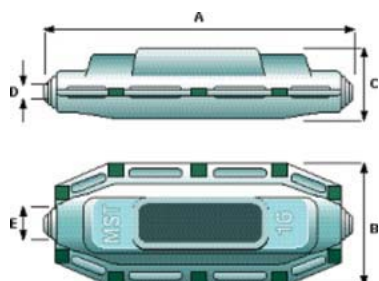
- > "Twin Pack" totally enclosed mixing
- > Enhanced adhesion to XLPE and PVC
- > Improved flow characteristics
- > 40% reduction in weight
- > Easier mixing

Low Voltage Universal Cable Jointing Kits

Selection Information

> Selection information for Low Voltage Straight and Branch Joints on 600/1000 Volt polymeric insulation, aluminium or copper conductors, SWA cables to BS6346, BS5467 and IEC 502.

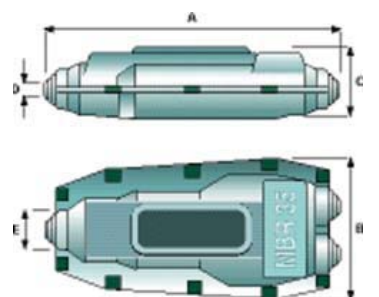
"MST" Straight Through Joints for Armoured Cables



| Joint Ref. | Shell Dimensions | | | | |
|------------|------------------|-----|-----|--------------------|--------------------|
| | Dimensions (mm) | | | | |
| | A | B | C | Min. Box entry 'D' | Max. Box entry 'E' |
| MST6 | 240 | 115 | 75 | 12 | 22 |
| MST16 | 310 | 125 | 85 | 20 | 35 |
| MST35 | 390 | 130 | 100 | 24 | 40 |
| MST95 | 620 | 160 | 130 | 27 | 51 |
| MST185 | 795 | 230 | 205 | 40 | 65 |
| MST300 | 950 | 240 | 210 | 55 | 80 |

| Nominal Area of Conductor | Straight Joints | | |
|---------------------------|-----------------|-----------------|----------------|
| | Two Core Ref. | Three Core Ref. | Four Core Ref. |
| 1.5mm ² | MST6 | MST6 | MST6 |
| 2.5mm ² | MST6 | MST6 | MST6 |
| 4mm ² | MST6 | MST6 | MST6 |
| 6mm ² | MST6 | MST6 | MST6 |
| 10mm ² | MST6 | MST16 | MST16 |
| 16mm ² | MST16 | MST16 | MST16 |
| 25mm ² | MST16 | MST16 | MST35 |
| 35mm ² | MST35 | MST35 | MST35 |
| 50mm ² | MST95 | MST95 | MST95 |
| 70mm ² | MST95 | MST95 | MST95 |
| 95mm ² | MST95 | MST95 | MST95 |
| 120mm ² | MST185 | MST185 | MST185 |
| 150mm ² | MST185 | MST185 | MST185 |
| 185mm ² | MST185 | MST185 | MST185 |
| 240mm ² | MST300 | MST300 | MST300 |
| 300mm ² | MST300 | MST300 | MST300 |

"MBR" Branch Joints for Armoured Cables



| Joint Ref. | Shell Dimensions | | | | |
|------------|------------------|-----|-----|--------------------|--------------------|
| | Dimensions (mm) | | | | |
| | A | B | C | Min. Box entry 'D' | Max. Box entry 'E' |
| MBR6 | 240 | 125 | 75 | 12 | 22 |
| MBR16 | 345 | 160 | 95 | 20 | 35 |
| MBR35 | 435 | 175 | 100 | 24 | 40 |
| MBR95 | 650 | 210 | 190 | 27 | 51 |
| MBR185 | 870 | 250 | 230 | 40 | 65 |
| MBR300 | 1020 | 300 | 310 | 55 | 80 |

| Nominal Area of Conductor | Branch Joints | | |
|---------------------------|---------------|-----------------|----------------|
| | Two Core Ref. | Three Core Ref. | Four Core Ref. |
| 1.5mm ² | MBR6 | MBR6 | MBR6 |
| 2.5mm ² | MBR6 | MBR6 | MBR6 |
| 4mm ² | MBR6 | MBR6 | MBR6 |
| 6mm ² | MBR6 | MBR6 | MBR6 |
| 10mm ² | MBR6 | MBR16 | MBR16 |
| 16mm ² | MBR16 | MBR16 | MBR16 |
| 25mm ² | MBR16 | MBR16 | MBR35 |
| 35mm ² | MBR35 | MBR35 | MBR35 |
| 50mm ² | MBR95 | MBR95 | MBR95 |
| 70mm ² | MBR95 | MBR95 | MBR95 |
| 95mm ² | MBR95 | MBR95 | MBR95 |
| 120mm ² | MBR185 | MBR185 | MBR185 |
| 150mm ² | MBR185 | MBR185 | MBR185 |
| 185mm ² | MBR185 | MBR185 | MBR185 |
| 240mm ² | MBR300 | MBR300 | MBR300 |
| 300mm ² | MBR300 | MBR300 | MBR300 |

Compression Connector (copper only)



Mechanical Straight Connector

Single Service Connector



Mechanical Branch Connector



Notes:

- > For mechanical connectors see leaflet LV Mechanical Connectors
- > Connectors are sold separately
- > Armour Bonds are included