

MPJEM

Low Voltage Industrial Cable Joint Kits

(Excludes Connectors)



BI-CAST JEM

Application

Straight joints for LV cables with copper conductors from 1.5mm² to 400mm²

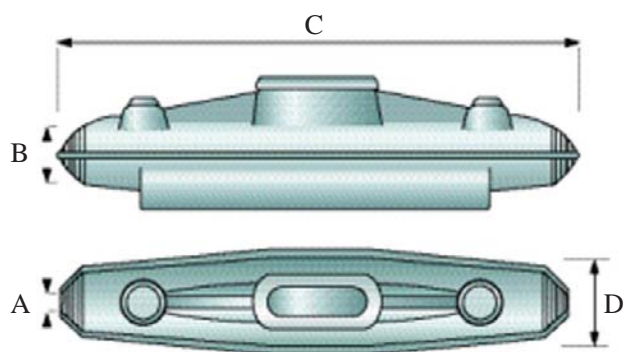
Features

- Low Hazard Isocyanate free JEM resin
 - Twin Pack mixing in clear laminate sachets
 - Extremely low viscosity combined with enhanced adhesion
- Transparent injection moulded polypropylene shells up to size 4 and vacuum formed clear HIPS for the larger sizes.
- Slim-line design for use with compression connectors

MPJEM Low Voltage Industrial Cable Joints

Technical Data

- > Low Voltage Straight Joints for 600/1000 Volt polymeric insulated copper conductors, SWA cables to BS5467, BS6346 and IEC 502.
- > Tested and approved to BS EN 50393 & ENA ER C81
- > Includes constant force spring Armour Bonds.
- > JEM Resin
 - Easier mixing in "Twin Pack" totally enclosed mixing in a clear laminate sachet.
 - Extremely low mix viscosity allows void free joint filling.
 - JEM Resin is insensitive to moisture and will cure under water.
 - Enhanced adhesion to XLPE, MDPE, PVC & lead.
 - High flash point, non-flammable liquid - No special storage or transport requirements.
 - Not classified as irritating to the skin or eyes.
 - Does not cause skin sensitization.



Shell Dimensions

Joint Ref.	Min. box entry Ø 'A'	Max. box entry Ø 'B'	Box length 'C'	Internal Ø 'D'
MPJEMJ1	12mm	26mm	185mm	35mm
MPJEMJ2	14mm	32mm	245mm	48mm
MPJEMJ3	23mm	39mm	325mm	52mm
MPJEMJ4	28mm	50mm	375mm	68mm
MPJEMJ5	32mm	58mm	520mm	102mm
MPJEMJ6	45mm	75mm	705mm	124mm
MPJEMJ7	40mm	89mm	862mm	140mm
MPJEMJ8	57mm	95mm	900mm	150mm

Joint selection for 2, 3 and 4 core cables

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
1.5mm ²	MPJEMJ1	MPJEMJ1	MPJEMJ1	BERS
2.5mm ²	MPJEMJ1	MPJEMJ1	MPJEMJ1	BEBS
4mm ²	MPJEMJ1	MPJEMJ1	MPJEMJ1	BEYS/BT6CS
6mm ²	MPJEMJ1	MPJEMJ2	MPJEMJ2	BT6CS
10mm ²	MPJEMJ2	MPJEMJ2	MPJEMJ2	BT10CS
16mm ²	MPJEMJ2	MPJEMJ3	MPJEMJ3	BT16CS
25mm ²	MPJEMJ3	MPJEMJ3	MPJEMJ3	BT25CS
35mm ²	MPJEMJ3	MPJEMJ4	MPJEMJ4	BT35CS

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
50mm ²	MPJEMJ4	MPJEMJ4	MPJEMJ4	BT50CS
70mm ²	MPJEMJ4	MPJEMJ4	MPJEMJ5	BT70CS
95mm ²	MPJEMJ4	MPJEMJ5	MPJEMJ5	BT95CS
120mm ²	MPJEMJ5	MPJEMJ5	MPJEMJ6	BT120CS
150mm ²	MPJEMJ5	MPJEMJ6	MPJEMJ6	BT150CS
185mm ²	MPJEMJ5	MPJEMJ6	MPJEMJ6	BT185CS
240mm ²	MPJEMJ6	MPJEMJ7	MPJEMJ7	BT240CS
300mm ²	MPJEMJ6	MPJEMJ7	MPJEMJ7	BT300CS
400mm ²	MPJEMJ8*	MPJEMJ8*	MPJEMJ8*	BT400CS



Note: MPJEM joints are provided without connectors, compression connectors can be provided separately.

*Joint does not accommodate crossed core (phase to phase jointing)