

# FRZHMPJ

## Low Voltage Fire Performance Cable Joint Kits (Excludes Connectors)



## BICAST JEM

### Application

Straight joints for Fire Performance cables with copper conductors from 4mm<sup>2</sup> to 400 mm<sup>2</sup>

### Features

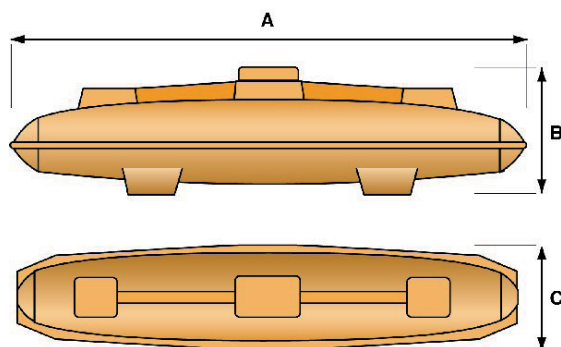
- Low Hazard Isocyanate free JEM resin
  - Twin Pack mixing in clear laminate sachets
  - Extremely low viscosity combined with enhanced adhesion
- Rigid glass reinforced phenolic joint shells which are both fire retardant and LSOH
- Slim-line design for use with compression connectors
- Meet the Fire resistance requirements of BS6387 categories C, W & Z

## FRZHMPJ Low Voltage Fire Performance Cable Joints

### Technical Data

- > Low Voltage Straight Joints for 600/1000 Volt fire performance insulated SWA cables with copper conductors.
- > Tested and approved to BS EN 50393 & ENA ER C81
- > Fire tests on complete joints to BS 6387 categories C, W and Z
- > 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.

Prysmian's Fire Resistant Joints are tested to BS6387 categories C,W & Z	Performance	Symbol	FR Joint
Resistance to Fire The joint is tested by exposure to gas burner flames while passing a current at its rated voltage	650°C for 3 hours 750°C for 3 hours 950°C for 3 hours	A B C	PASS PASS PASS
Resistance to Fire with Water Spray The joint is exposed to flames at 650°C for 15 minutes whilst passing a current of 250MA at a rated voltage and then the spray is turned on to give exposure to both fire and water for a further 15 minutes	650°C	W	PASS
Resistance to Fire with Mechanical Shock The joint is mounted on a back panel and exposed to flames whilst the bedding panel is struck with a solid steel bar every 30 seconds for 15 minutes	950°C	Z	PASS



Joint Ref	Shell Dimensions		
	A	B	C
FRZHMPJ2	300mm	85mm	70mm
FRZHMPJ3	405mm	100mm	80mm
FRZHMPJ4	430mm	100mm	90mm
FRZHMPJ5	560mm	160mm	130mm
FRZHMPJ6	740mm	180mm	145mm
FRZHMPJ7	870mm	190mm	145mm
FRZHMPJ8	1015mm	205mm	180mm

### Joint selection for 2, 3 and 4 core cables

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
4mm <sup>2</sup>	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BE-YS
6mm <sup>2</sup>	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BTCS
10mm <sup>2</sup>	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BT10CS
16mm <sup>2</sup>	FRZHMPJ2	FRZHMPJ3	FRZHMPJ3	BT16CS
25mm <sup>2</sup>	FRZHMPJ2	FRZHMPJ3	FRZHMPJ4	BT25CS
35mm <sup>2</sup>	FRZHMPJ3	FRZHMPJ4	FRZHMPJ4	BT35CS
50mm <sup>2</sup>	FRZHMPJ3	FRZHMPJ5	FRZHMPJ5	BT50CS

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
70mm <sup>2</sup>	FRZHMPJ4	FRZHMPJ5	FRZHMPJ5	BT70CS
95mm <sup>2</sup>	FRZHMPJ4	FRZHMPJ5	FRZHMPJ5	BT95CS
120mm <sup>2</sup>	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT120CS
150mm <sup>2</sup>	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT150CS
185mm <sup>2</sup>	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT185CS
240mm <sup>2</sup>	FRZHMPJ6	FRZHMPJ7	FRZHMPJ7	BT240CS
300mm <sup>2</sup>	FRZHMPJ6	FRZHMPJ7	FRZHMPJ7	BT300CS
*400mm <sup>2</sup>	-	-	FRZHMPJ8	BT400CS



Note: ZHMB joints are provided without connectors, compression & mechanical connectors can be provided separately.

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