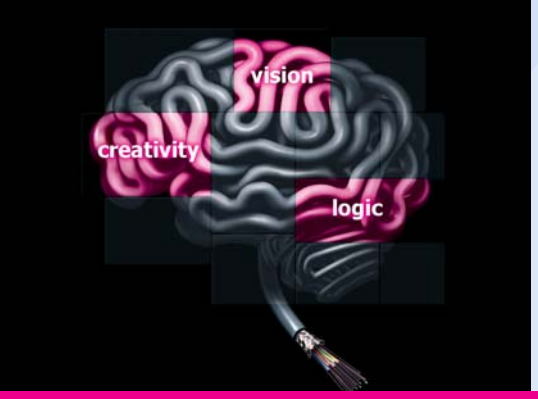
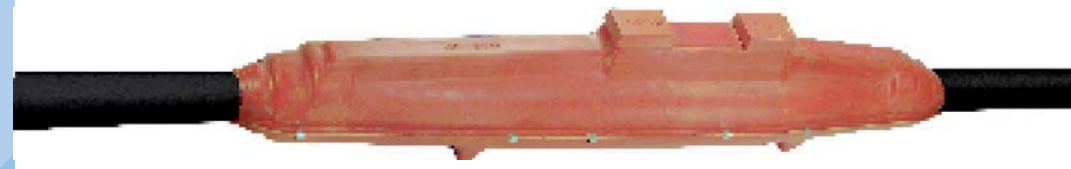


PRYSMIAN
CABLES & SYSTEMS

FRZHMPJ

Low Voltage Fire Performance Cable Joint Kits

(Excludes Connectors)



BICAST JEM

Application

Straight joints for Fire Performance cables with copper conductors from 4mm² to 400 mm²

Features

- Low Hazard Isocynate 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

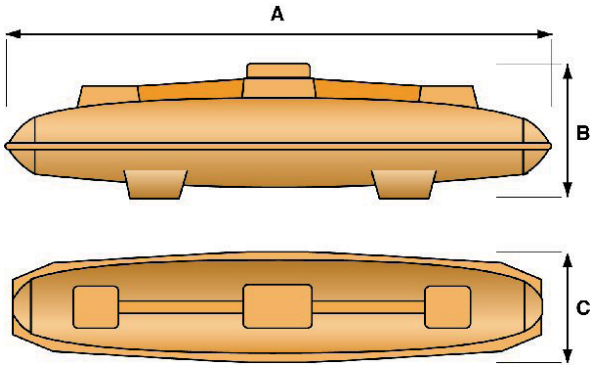
CE

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



	Shell Dimensions		
Joint Ref	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.
4mm²	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BE-YS
6mm²	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BTCS
10mm²	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BT10CS
16mm²	FRZHMPJ2	FRZHMPJ3	FRZHMPJ3	BT16CS
25mm²	FRZHMPJ2	FRZHMPJ3	FRZHMPJ4	BT25CS
35mm²	FRZHMPJ3	FRZHMPJ4	FRZHMPJ4	BT35CS
50mm²	FRZHMPJ3	FRZHMPJ5	FRZHMPJ5	BT50CS

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
70mm²	FRZHMPJ4	FRZHMPJ5	FRZHMPJ5	BT70CS
95mm²	FRZHMPJ4	FRZHMPJ5	FRZHMPJ5	BT95CS
120mm²	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT120CS
150mm²	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT150CS
185mm²	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT185CS
240mm²	FRZHMPJ6	FRZHMPJ7	FRZHMPJ7	BT240CS
300mm²	FRZHMPJ6	FRZHMPJ7	FRZHMPJ7	BT300CS
*400mm²	-	-	FRZHMPJ8	BT400CS

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

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

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