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## ZHMPJ

# Low Voltage Afumex LSOH Cable Joint Kits

(Excludes Connectors)



## BI CAST JEM

### Application

Straight joints for LSOH/LSF LV cables with copper conductors from 1.5mm<sup>2</sup> to 400mm<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

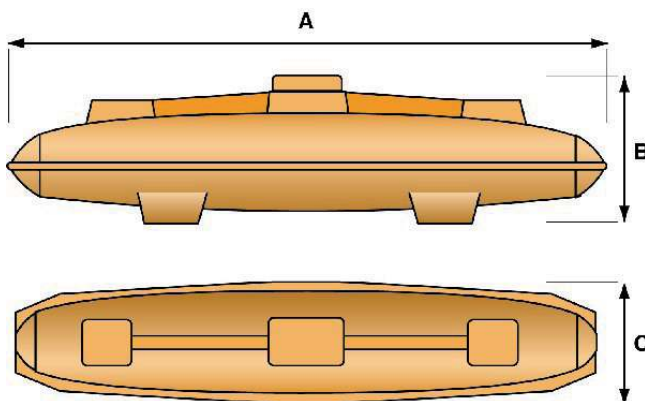


# ZHMPJ Low Voltage Afumex LSOH Cable Joints

## Technical Data

- > Low Voltage Straight Joints for 600/1000 Volt polymeric insulated copper conductors, SWA cables to BS6724 and IEC 60502-1 (halogen free).
- > Tested and approved to BS EN 50393 & ENA ER C81
- > Tests on complete joints to BS 6724 (using IEC 1034 methods) give smoke emission values  $A_0$  significantly less than the permitted maximum of 1.5.
- > 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.

Property	Joint Component Characteristics		
	Test Method	Shell GF Phenolic	Resin Filled Acrylic
Oxygen Index	BS2782 Pt.1Mth.141	>70	>26
Temperature Index.	BS2782 Pt.1Mth.143	>350°C	-
Heat Distortion Temp.	BS2782 Pt.1Mth.121A	>150°C	-
Toxic Gas Emission	-	Nil	Nil
Smoke Emission	BS6724	$A_0 < 1.5$	-



Straight Joint Ref.	Shell Dimensions		
	A	B	C
ZHMPJ2	300mm	85mm	70mm
ZHMPJ3	405mm	100mm	80mm
ZHMPJ4	430mm	110mm	90mm
ZHMPJ5	560mm	160mm	130mm
ZHMPJ6	740mm	180mm	145mm
ZHMPJ7	870mm	190mm	145mm
ZHMPJ8	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>	ZHMPJ2	ZHMPJ2	ZHMPJ2	BE-YS
6mm <sup>2</sup>	ZHMPJ2	ZHMPJ2	ZHMPJ2	BT6CS
10mm <sup>2</sup>	ZHMPJ2	ZHMPJ2	ZHMPJ2	BT10CS
16mm <sup>2</sup>	ZHMPJ2	ZHMPJ2	ZHMPJ3	BT16CS
25mm <sup>2</sup>	ZHMPJ2	ZHMPJ3	ZHMPJ4	BT25CS
35mm <sup>2</sup>	ZHMPJ3	ZHMPJ4	ZHMPJ4	BT35CS
50mm <sup>2</sup>	ZHMPJ3	ZHMPJ5	ZHMPJ5	BT50CS
70mm <sup>2</sup>	ZHMPJ4	ZHMPJ5	ZHMPJ5	BT70CS

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
95mm <sup>2</sup>	ZHMPJ4	ZHMPJ5	ZHMPJ5	BT95CS
120mm <sup>2</sup>	ZHMPJ5	ZHMPJ6	ZHMPJ6	BT120CS
150mm <sup>2</sup>	ZHMPJ5	ZHMPJ6	ZHMPJ6	BT150CS
185mm <sup>2</sup>	ZHMPJ5	ZHMPJ6	ZHMPJ6	BT185CS
240mm <sup>2</sup>	ZHMPJ6	ZHMPJ7	ZHMPJ7	BT240CS
300mm <sup>2</sup>	ZHMPJ6	ZHMPJ7	ZHMPJ7	BT300CS
400mm <sup>2</sup>	-	-	ZHMPJ8	BT400CS



Ref: ZHMPJ/01/11

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

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