

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 1.5mm² to 400mm²

Features

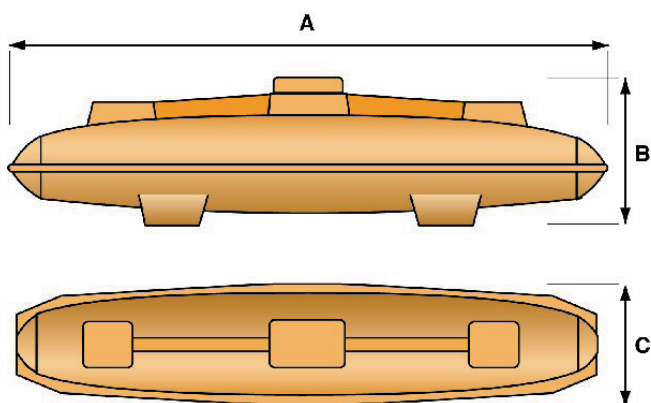
- Low Hazard Isocyanate free JEM resin
 - Twin Pack mixing in clear laminate sachets
 - Extremely low viscosity combined with enhanced adhesion
- Rigid glass reinforced phenolic joint shells which are both fire retardant and LSOH
- Slim-line design for use with compression connectors

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 ²	ZHMPJ2	ZHMPJ2	ZHMPJ2	BE-YS
6mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ2	BT6CS
10mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ2	BT10CS
16mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ3	BT16CS
25mm ²	ZHMPJ2	ZHMPJ3	ZHMPJ4	BT25CS
35mm ²	ZHMPJ3	ZHMPJ4	ZHMPJ4	BT35CS
50mm ²	ZHMPJ3	ZHMPJ5	ZHMPJ5	BT50CS
70mm ²	ZHMPJ4	ZHMPJ5	ZHMPJ5	BT70CS

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



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

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