

ZHMB

Low Voltage Afumex LSOH Cable Joint Kits (Excludes Connectors)



BI CAST JEM

Application

Branch joints for LSOH/LSF LV cables with copper conductors from 10mm² to 50mm²

Features

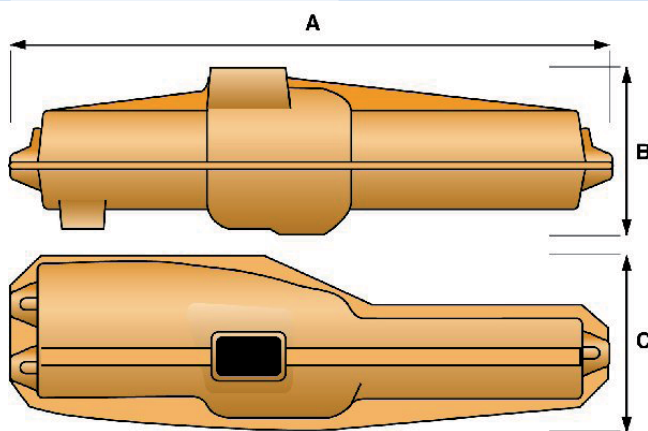
- Low Hazard Isocynate free JEM resin
 - Twin Pack mixing in clear laminate sachets
 - Extremely low viscosity combined with enhanced adhesion
- Rigid glass reinforced phenolic joint shells which are both fire retardant and LSOH
- Designed for use with compression and mechanical connectors

ZHMB Low Voltage Afumex LSOH Cable Joints

Technical Data

- > Low Voltage Branch 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.

Joint Component Characteristics			
Property	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	$A_0 < 1.5$	-



Shell Dimensions			
Straight Joint Ref.	A	B	C
ZHMB1	420mm	150mm	150mm
ZHMB2	520mm	195mm	180mm

Joint selection for 2, 3 and 4 core cables



600/1000V Afumex Branch Joints			
Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.
10mm ²	ZHMB1	ZHMB1	ZHMB1
16mm ²	ZHMB1	ZHMB1	ZHMB2
25mm ²	ZHMB1	ZHMB1	ZHMB2
35mm ²	ZHMB1	ZHMB2	ZHMB2
50mm ²	ZHMB2	ZHMB2	ZHMB2
70mm ²	ZHMB2	ZHMB2	-
95mm ²	ZHMB2	ZHMB2	-
120mm ²	ZHMB2	-	-



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