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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 1.5mm² 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

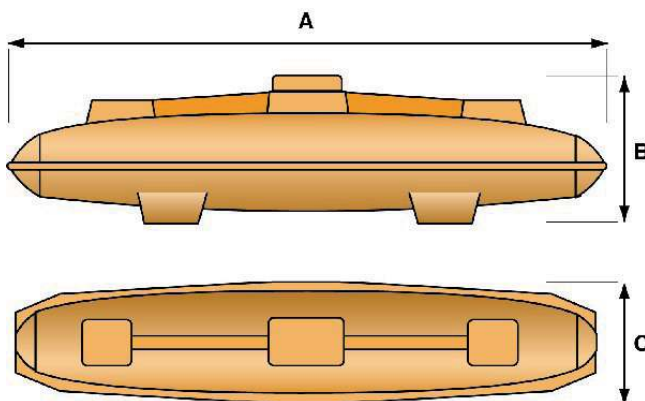


ZHMPJ Low Voltage Afumex LSOH Cable Joints

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 |



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)