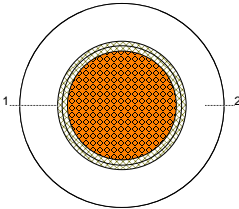


TECHNICAL DATA SHEET LOW VOLTAGE FIRE RESISTANT BUILDING WIRE

Cable Description:

 Cu / MICA / LSOH-XL 450 / 750 V H07Z-R 6 mm² RM WHITE

| Design and Construction Data: | | |
|---|---|---|
| Reference Manufacturing Standards | | IEC 60228, BS 7211 |
| Max. Permissible Continuous Conductor Temp | °C | 90 |
| Max. Conductor Short Circuit Temp for 5 Seconds | °C | 250 |
| Rated Voltage | V | 450 / 750 |
| Conductor Size | mm ² | 6 |
| Conductor Material & Shape | | Copper & Stranded Class 2 non-compacted Round Shape |
| Fire Resistant Tape | | MICA fire resistant tape |
| Insulation Material | | LSOH-XL |
| Nominal Insulation Thickness | mm | 0.80 |
| Insulation Color | | WHITE |
| Approximate Wire Overall Diameter | mm | 5.7 |
| Electrical Data: | | |
| Max Conductor DC resistance @ 20 °C | ohms/km | 3.0800 |
| Max Conductor AC resistance @ 90 °C (Two/Three) Conductors | ohms/km | 3.9274 / 3.9274 |
| Max Conductor Short Circuit Current @ 1 Second | KA | 0.86 |
| Current Carry Capacity @ 30 °C Ambient Temperature | | |
| Enclosed in conduit ⁽¹⁾ | | |
| Two Insulated Conductors Single Phase ac or dc | A | 54 |
| Three or Four Insulated Conductors Three Phase ac | A | 48 |
| Clipped direct ⁽²⁾ | | |
| Two Insulated Conductors Single Phase ac or dc | A | 59 |
| Three or Four Insulated Conductors Three Phase ac | A | 54 |
| (1) Current carrying capacity based on IEE wiring regulation method B cables single ac or dc / three phase ac, enclosed in conduit on a wall or in trunking etc. at 30 °C ambient temperature". (2) Current carrying capacity based on IEE wiring regulation method C cables single ac or dc / three phase , clipped direct at 30 °C ambient temperature". * ref (IEE Wiring Regulations 17th edition Table 4E1A) | | |
| The Cable shall meet all Test requirements of: IEC/BS EN 60228, BS 7211, IEC 60332-1, IEC 60754-1, IEC 61034 | | |
| Packing Data: | | |
| Type | | Coil |
| Length of Cable per Coil (± 2%) | m | 92 |
| Net Weight (Approximate) | kg | 6.9 |
| Cable Marking: | | |
| FSB WIRE BAHRA CABLES CO. KSA 6 mm ² CU/MICA/LSOH-XL 450/750 V LPCB1069a BS 6387 CWZ BASEC FR IEC 60332-1-2 LSOH IEC 61034-2 IEC 60754 1&2 | | |
| Cable Drawing | | |
|  | | |
| Description | Cu / MICA / LSOH-XL 450 / 750 V H07Z-R 6 mm ² RM WHITE | Approx. Diameter |
| 1 | Copper conductor with round shape, wrapped with mica tape | 4.1 |
| 2 | LSOH-XL Insulation | 5.7 |