







LT XLPE CABLE

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| Particulars | 3 Core X 4 Sq.mm |
|---|--|
| Name of Manufacturer | Polycab India Ltd |
| Type of cable | 2XWY |
| Voltage Grade V | 1100 |
| No of cores X size in sqmm | 3 Core X 4 Sq.mm |
| Conductor | |
| Material | Plain annealed Copper as per Class 2 of IS:8130/2013, latest |
| Max. D.C. resistance of conductor at 20° C (ohm/km) | 4.61 |
| Shape of the conductor | Stranded Circular |
| Insulation | |
| Material | XLPE as per IS 7098(Pt-1)/88, Latest |
| Nominal thickness (mm) | 0.7 |
| Core identification | Red, Yellow, Blue |
| Inner Sheath | |
| Material | Extruded PVC Type ST2 as per IS:5831/84 |
| Minimum thickness (mm) | 0.3 |
| Armouring | |
| Material | Galvanised Steel |
| Type of armouring | Round Wire |
| Nominal size of armour (mm) | 1.4 |
| Tolerance on armour dimensions | ± 0.040 mm |
| Outer Sheath | |
| Material | Extruded FR-LSH PVC Type 'ST2' as per IS:5831/84 |
| Thickness (mm) | 1.24 (Min.) |
| Colour of outer sheath. | Black |
| Electrical Parameters | |
| Max. a.c. resistance of conductor at 90° C (ohm/km) | 5.88 |
| Calculated Cable reactance (ohm/km) | 0.093 |
| Impedance of cable (ohm/km) | 5.88 |
| Approx. Cable Capacitance (mfd/km) | 0.25 |
| | |

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Note: -The values given above are subject to tolerances as per the relevant standards. www.polycab.com | Toll Free No - 1800 267 0008 | Email: enquiry@polycab.com



Oxygen Index

Temperature Index

Smoke Density Rating

Acid Gas Generation Flammability Test **CABLES**

| Maximum conductor temperature under normal operating conditions | 90°C |
|---|-------|
| Maximum conductor temperature at the termination of short circuit | 250°C |
| Short Circuit rating of conductor for the | 0.57 |

| duration of 1 sec (kA) | 0.57 |
|------------------------|------|
| | |

| Continuous Current carrying capacities :- | |
|---|---|
| In Ground at 30°C (A) | 45 |
| In Air at 40°C (A) | 41 |
| Applicable Standard | IS 7098 Part I/88,IS 8130/2013,IS 5831/84, IS 3975/1999 etc. with latest up to date amendments |
| Approx. overall diameter of the cable in mm | 15.0 +/- 2.0 |
| Minimum bending radius | 12 times Overall diameter |
| Max. Tensile strength | |
| for Cables pulled with stocking (Newtons) | 9 x D ² , D is the cable OD in mm |
| for Cables pulled with pulling eyes (N) | 600 |
| Embossing | POLYCAB ELECTRIC 1100 VOLTS GRADE XLPE FR-LSH |
| Printing | YEAR POLYCAB ELECTRIC 1100 VOLTS GRADE XLPE FR-LSH CABLE SIZE CABLE TYPE WITH SEQUENTIAL MARKING at every one meter interval. |
| Standard Drum Length (Mtr.) | 1000 ± 5% |
| Non- Standard Drum Length (Mtr.) | Maximum 5% of order quantity |
| FR-LSH PROPERTIES | |

Min. 29% as per ASTM D- 2863

Max. 60% as per ASTM D- 2843 Max. 20% as per IEC- 754- 1

As per IEC:332-I

Min. 250 Deg.C as per ASTM D- 2863

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