



|   |       |
|---|-------|
| c) Impedance of cable (ohm/km)                                    | 0.674 |
| d) Approx. Cable Capacitance (mfd/km)                             | 0.50  |
| 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 duration of 1 sec (kA)  | 5.01  |

**Continuous Current carrying capacities :-**

|  |   |
|--|---|
| a) In Ground at 30°C (A)                     | 146   |
| b) In Air at 40°C (A)                        | 147   |
| Applicable Standard                          | IS 7098 Part I/88, IS 8130, IS 5831, IS 3975 etc. with latest up to date amendments   |
| Approx. overall diameter of the cable in mm  | 24.5 +/- 2.0  |
| Minimum bending radius                       | 12 times Overall diameter   |
| Max. Tensile strength                        |   |
| i) for Cables pulled with stocking (Newtons) | 9 x D <sup>2</sup> , D is the cable OD in mm  |
| ii) for Cables pulled with pulling eyes (N)  | 6,050   |
| 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**

|                         |                                    |
|-------------------------|------------------------------------|
| a) Oxygen Index         | Min. 29% as per ASTM D- 2863       |
| b) Temperature Index    | Min. 250 Deg.C as per ASTM D- 2863 |
| c) Smoke Density Rating | Max. 60% as per ASTM D- 2843       |
| d) Acid Gas Generation  | Max. 20% as per IEC- 754- 1        |
| e) Flammability test    | As per IEC:332-I                   |