

c) Impedance of cable (ohm/km)	0.106
d) Approx. Cable Capacitance (mfd/km)	0.71
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)	42.93

Continuous Current carrying capacities :-

a) In Ground at 30°C (A)	469
b) In Air at 40°C (A)	574
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	56.0 +/- 2.0
Minimum bending radius	12 times Overall diameter
Max. Tensile strength	
i) for Cables pulled with stocking (Newtons)	9 x D ² , D is the cable OD in mm
ii) for Cables pulled with pulling eyes (N)	52,500
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.)	500 ± 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