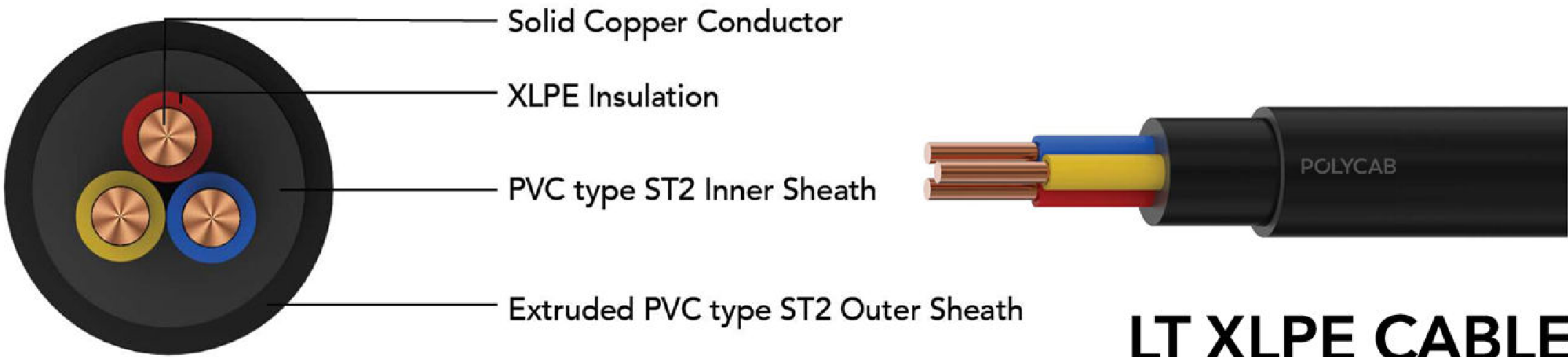




LT XLPE CABLE

TDS Doc.No:PIL/TE/250425/002781

DESIGN CODE : LVIS09CXUAY2003C2.5SA001S

Particulars		3 Core X 2.5 Sq.mm
Name of Manufacturer		Polycab India Ltd.
Type of cable		2XY
Voltage Grade V		1100
No of cores X size in sqmm		3 Core X 2.5 Sq.mm
Conductor		
a)	Material	Plain annealed Copper as per Class 1 of IS:8130/2013
b)	Max. d.c. resistance of conductor at 20° C (ohm/km)	7.4100
c)	Shape of the conductor	Solid Circular
Insulation		
a)	Material	XLPE as per IS 7098(Pt-1)/88, Latest
b)	Nominal thickness (mm)	0.7
c)	Core Identification	Red,Yellow and Blue
Inner Sheath		
a)	Material	Extruded PVC Type ST2 as per IS:5831/84
b)	Minimum thickness (mm)	0.3
Armouring		Not Applicable
Outer Sheath		
a)	Material	Extruded PVC Type ST2 as per IS:5831/84
b)	Thickness (mm)	1.8 (Nom.)
c)	Colour of outer sheath.	Black
Electrical Parameters		
a)	Max. a.c. resistance of conductor at 90° C (ohm/km)	9.4500
b)	Calculated Cable reactance (ohm/km)	0.0983
c)	Impedance of cable (ohm/km)	9.4500
Maximum conductor temperature under normal operating conditions		90°C

Maximum conductor temperature at the termination of short circuit	250°C
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Short Circuit rating of conductor for the duration of 1 sec (kA)	0.36
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Continuous Current carrying capacities :-

(a) In Ground at 30°C (A)	34
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(b) In Air at 40°C (A)	29
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Applicable Standard	IS 8130/2013, IS 7098 Part I/88, IS 5831/84, IS 3975/1999 etc. with latest up to date amendments
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Approx. overall diameter of the cable in mm	11.5 ± 2.0
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Minimum bending radius	12 times Overall diameter
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Max. Tensile strength	
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(i) for Cables pulled with stocking (Newtons)	5 x D ² , D is the cable OD in mm
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(ii) for Cables pulled with pulling eyes (N)	375
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Embossing	POLYCAB ELECTRIC 1100 VOLTS GRADE XLPE
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Printing	YEAR POLYCAB ELECTRIC 1100 VOLTS GRADE XLPE CABLE SIZE CABLE TYPE WITH SEQUENTIAL MARKING at every one meter interval.
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Standard Drum Length (Mtr.)	1000 ± 5%
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Non- Standard Drum Length (Mtr.)	Maximum 5% of order quantity
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