## POLYCAB WIRES PVT. LTD.

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## **Data sheet for LT XLPE Cable**

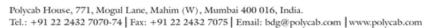
S.No	Particulars	2 X 10
1	Name of Manufacturer	Polycab Wires Pvt. Ltd, Daman
2	Item Code	SISLV2X1010134
3	Type of cable	2XWY
4	Voltage Grade V	1100
5	No of cores X size in sqmm	2 X 10
6	Conductor	
a)	Material	Plain annealed Copper as per Class 2 of IS:8130/84
b)	Max. d.c. resistance of conductor at 20° C (ohm/km)	1.83
c)	Shape of the conductor	Stranded Circular
7	Insulation	
a)	Material	XLPE as per IS 7098(Pt-1)/88, Latest
b)	Nominal thickness (mm)	0.7
8	Inner Sheath	
a)	Material	Extruded PVC Type ST2 as per IS:5831/84
b)	Minimum thickness (mm)	0.3
9	Armouring	
a)	Material	Galvanised Steel
b)	Type of armouring	Round Wire
c)	Nominal size of armour (mm)	1.40
10	Outer Sheath	
a)	Material	PVC Type 'ST2' as per IS:5831/84
b)	Thickness (mm)	1.24 (Min.)
11	Electrical Parameters	
a)	Max. a.c. resistance of conductor at 90° C (ohm/km)	2.33
b)	Calculated Cable reactance (ohm/km)	0.0842
c)	Impedance of cable (ohm/km)	2.33
d)	Approx. Cable Capacitance (mfd/km)	0.36
12	Maximum conductor temperature under normal operating conditions	90°C
13	Maximum conductor temperature at the termination of short circuit	250°C
14	Short Circuit rating of conductor for the duration of 1 sec (kA)	1.43



Works - Daman: 52/5-8, Daman Industrial Estate, Village Kadaiya, Daman - 396210. Tel: (0260) 3091031/070, 2220422 /425/428 Fax: (0260) 2221009

Works - Halol: Unit 4, Plot No. 67-72, Nurpura, Taluka - Halol, District Panchmahal, Gujarat 389350. Tel: 02676 320862/326801

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15	Continuous Current carrying capacities :-	
(a)	In Ground at 30°C (A)	89
(b)	In Air at 40°C (A)	83
16	Applicable Standard	IS 8130/84,IS 7098 Part I/88, IS 5831/84, IS 3975/88 etc. with latest up to date amendments
17	Approx. overall diameter of the cable in mm	17.5 ± 2.0
18	Minimum bending radius	12 times Overall diameter
19	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)	1,000
20	Colour of outer sheath.	Black

Note:-The values given above are subject to tolerances as per the relevant standards.



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