

Data sheet for LT XLPE Cable

S.No	Particulars	2 X 10
1	Name of Manufacturer	Polycab Wires Pvt. Ltd, Daman
2	Item Code	PISLV2X1017285
3	Type of cable	A2XWY
4	Voltage Grade V	1100
5	No of cores X size in sqmm	2 X 10
6	Conductor	
a)	Material	H2/H4 Grade Aluminium as per Class 2 of IS: 8130/84,latest
b)	Max. d.c. resistance of conductor at 20° C (ohm/km)	3.08
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	Extruded FRLS 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)	3.95
b)	Calculated Cable reactance (ohm/km)	0.0840
c)	Impedance of cable (ohm/km)	3.95
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)	0.94



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15	Continuous Current carrying capacities :-	
(a)	In Ground at 30°C (A)	68
(b)	In Air at 40°C (A)	64
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	18.0 ± 2.0
18	Minimum bending radius	12 times Overall diameter
19	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)	600
20	Colour of outer sheath.	Black

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



India's No.1 Cable & Wires Company



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