





Stranded Aluminium Conductor

XLPE Insulation

Inner Sheath

Gal. Steel Flat Strip Armour

Extruded PVC type ST2 Outer Sheath



LT XLPE CABLE

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Par	ticulars		3.5 Core X 150 Sq.mm	
Nam	ne of Manufacturer		Polycab India Ltd	
Туре	Type of cable		A2XFY	
Volta	age Grade V		1100	
No	No of cores X size in sqmm		3.5 Core X 150 Sq.mm	
Conductor				
a)) Material		H2/H4 Grade Aluminium as per Class 2 of IS: 8130/2013, latest	
b) Max. d.c. resistance of condu (ohm/km)	ctor at 20° C Main	0.206	
	1	Neutral	0.443	
c) Shape of the conductor		Stranded Compacted Sector	
Inst	Insulation			
a)) Material		XLPE as per IS 7098(Pt-1)/88, Latest	
b) Nominal thickness (mm)	Main	1.4	
	1	Neutral	1.1	
c) Core identification		Red, Yellow, Blue, Black	
Inn	Inner Sheath			
a)) Material		Wrapping of Tapes	
b) Minimum thickness (mm)		0.5	
Armouring				
a)) Material		Galvanised Steel	
b) Type of armouring		Flat Strip	
c)	Nominal size of armour (mm)		4.0×0.8	
d	d) Tolerance on armour dimensions		± 10%	
Out	Outer Sheath			
a)) Material		Extruded PVC Type 'ST2' as per IS:5831	
b) Thickness (mm)		1.72 (Min.)	
c)	c) Colour of outer sheath.		Black	
Ele	Electrical Parameters			

0.265

Max. a.c. resistance of conductor at 90° C

(ohm/km)





0.0718			
0.275			
0.64			
90°C			
250°C			
14.17			
Continuous Current carrying capacities:-			
249			
284			
IS 7098 Part I/88, IS 8130/2013, IS 5831/84, IS 3975/1999 etc. with latest up to date amendments			

(i) for Cables pulled with stocking (Newtons)

 $9 \times D^2$, D is the cable OD in mm

12 times Overall diameter

i) for Cables pulled with pulling eyes (N)

15,600

Embossing

POLYCAB ELECTRIC 1100 VOLTS GRADE XLPE

Printing

YEAR POLYCAB ELECTRIC 1100 VOLTS GRADE XLPE CABLE SIZE, CABLE TYPE WITH SEQUENTIAL MARKING

at every one meter interval.

Standard Drum Length (Mtr.)

Minimum bending radius

Max. Tensile strength

 $500 \pm 5\%$

Non-Standard Drum Length (Mtr.)

Maximum 5% of order quantity

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