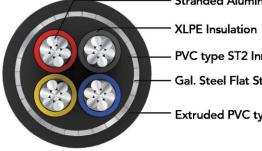


CABLES



- Stranded Aluminium Conductor

- PVC type ST2 Inner Sheath
- Gal. Steel Flat Strip Armour

Extruded PVC type ST2 Outer Sheath



LT XLPE CABLE

Document ID:TE/QMS/F/02

DESIGN CODE: LVIS09AXSFY2004C010SA003S

Particulars		4 Core X 10 Sq.mm	
Name of Manufacturer		Polycab India Ltd.	
Type of cable		A2XFY	
Voltage Grade V		1100	
No of cores X size in sqmm		4 Core X 10 Sq.mm	
Conductor			
a) Material		H2/H4 Grade Aluminium as per Class 2 of IS: 8130/2013, latest	
b) Max. D.C. res C (ohm/km)	sistance of conductor at 20°	3.08	
c) Shape of the o	conductor	Stranded Circular	
Insulation			
a) Material		XLPE as per IS 7098(Pt-1)/88, Latest	
b) Nominal thick	kness (mm)	0.7	
c) Core identifica	ation	Red,Yellow, Blue & Black	
Inner Sheath			
a) Material		Wrapping of Tapes	
b) Minimum thio	ckness (mm)	0.3	
Armouring			
a) Material		Gal.Steel	
b) Type of armou	_	Flat Strip	
c) Nominal size		4.0 x 0.8	
	armour dimensions	+/- 10%	
Outer Sheath			
a) Material		Extruded PVC Type 'ST2' as per IS:5831/84	
b) Thickness (m	,	1.24 (Min.)	
c) Colour of oute		Black	
Electrical Parameters			
a) Max. a.c. resi C(ohm/km)	stance of conductor at 90°	3.95	
b) Calculated Ca	able reactance (ohm/km)	0.084	
Rev.No.:00		Issued Date:02/04/2018	

Note: -The values given above are subject to tolerances as per the relevant standards. www.polycab.com | Toll Free No - 1800 267 0008 | Email: enquiry@polycab.com



PUUTUNU	CABLES	
Connection Zindagi Ka		
c) Impedance of cable (ohm/km)	3.95 0.36	
d) Approx. Cable Capacitance (mfd/km)	0.30	
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)	0.94	
Continuous Current carrying capacities :-		
a) In Ground at 30°C(A)	57	
b) In Air at 40°C (A)	54	
Applicable Standard	Generally as per IS 7098 Part I/88, IS 8130/2013, IS 5831/84, IS 3975/1999 etc. with latest up to date amendments	
Approx. overall diameter of the cable in mm Minimum bending radius Max. Tensile strength	18.5 ± 2.0 12 times Overall diameter	
i) for Cables pulled with stocking (Newtons)	$9 \text{ x } D^2$, D is the cable OD in mm	
ii) for Cables pulled with pulling eyes (N) Embossing	1200 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.)	$1000 \pm 5\%$	
Non- Standard Drum Length (Mtr.)	Maximum 5% of order quantity	

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