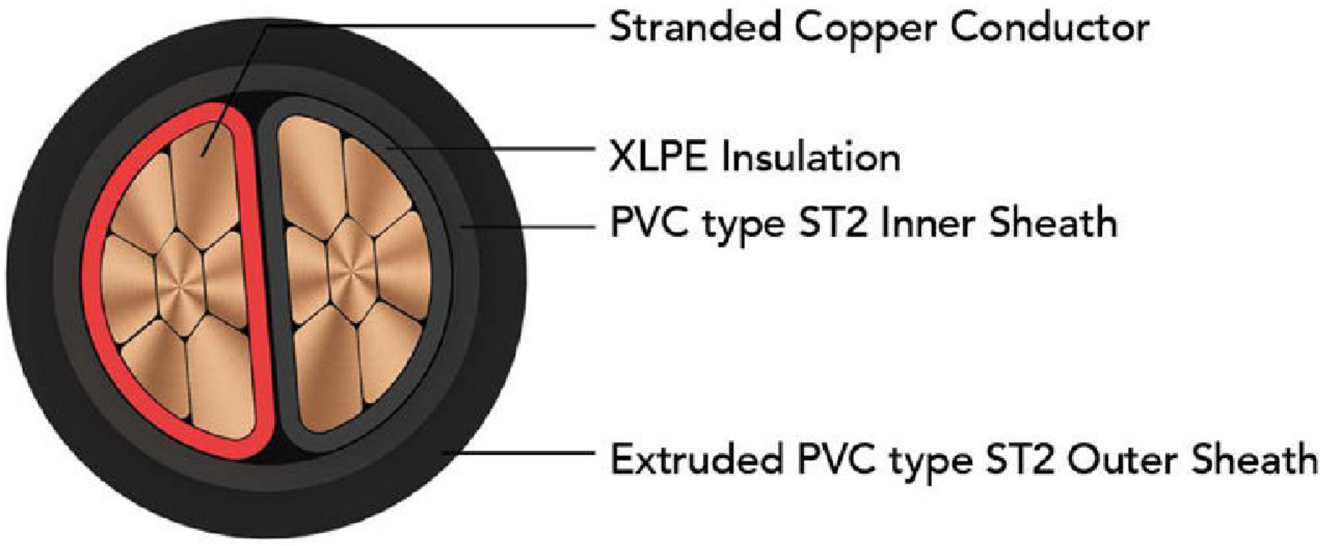
CABLES

POLYCAB





LT XLPE CABLE

TDS Doc.No:PIL/TE/250425/000256

DESIGN CODE : LVIS09CXUAY2002C025SA001S

Particulars	2 Core X 25 Sq.mm
Name of Manufacturer	Polycab India Ltd
Type of cable	2XY
Voltage Grade V	1100
No of cores X size in sqmm	2 Core X 25 Sq.mm
Conductor	
a) Material	Plain annealed Copper as per Class 2 of IS:8130/2013, latest
b) Max. d.c. resistance of conductor at 20° C (ohm/km)	0.727
c) Shape of the conductor	Stranded Compacted Sector
Insulation	
a) Material	XLPE as per IS 7098(Pt-1)/88, Latest
b) Nominal thickness (mm)	0.9
c) Core identification	Red,Black
Inner Sheath	
a) Material	Extruded PVC Type ST2 as per IS:5831/84
b) Minimum thickness (mm)	0.3
Outer Sheath	
a) Material	Extruded PVC Type 'ST2' as per IS:5831/84
b) Thickness (mm)	2.0 (Nom.)
c) Colour of sheath	Black
Electrical Parameters	
a) Max. a.c. resistance of conductor at 90° C (ohm/km)	0.927
b) Calculated Cable reactance (ohm/km)	0.0808
c) Impedance of cable (ohm/km)	0.931
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)	3.58
Continuous Current carrying capacities :-	
(a) In Ground at 30°C (A)	147
(b) In Air at 40°C (A)	140

Format ID: TE/QMS/F/07, R-00, Date: 16/03/2025

CABLES

POLYCAB

Applicable Standard	IS 7098 Part I/88,IS 8130/2013,IS 5831/84 etc. with latest up to date amendments
Approx. overall diameter of the cable in mm	18.5 ± 2.0
Minimum bending radius	12 times Overall diameter
Max. Tensile strength	
(i) for Cables pulled with stocking (Newtons)	5 x D^2, D is the cable OD in mm
(ii) for Cables pulled with pulling eyes (N)	2,500
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.)	1000 ± 5%
Non- Standard Drum Length (Mtr.)	Maximum 5% of order quantity

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