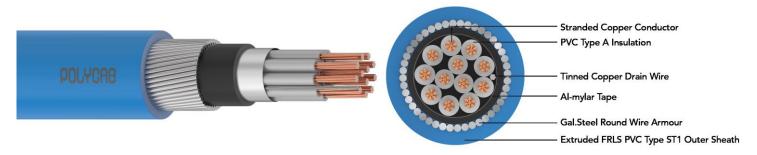


CABLES



INSTRUMENTATION CABLE

CABLE CODE: ICIS04CYSWYL004C1.5SA002S

Particulars 4 Core X 1.5 sq mm Name of Manufacturer POLYCAB INDIA LTD Type of Cable **Overall Screened** No of Elements X Size in mm² 4C X 1.5 Voltage Grade (V) 300/500 Conductor a) Material Plain Stranded Copper (Class-2) as per IS: 8130/2013 b) Maximum D.C. resistance of conductor at 20° C (Ω /km) 12.1 Stranded Circular c) Shape of conductor Insulation a) Material PVC Type A as per IS:5831 b) Minimum Thickness mm 0.44 c) Pair/Triad identification Red, Yellow, Blue & Black **Collective Screen** Aluminium mylar tape a) Material 0.018 b) Nominal Thickness mm c) Material of Drain Wire Flexible ATC d) Size of Drain Wire (Approx.) 0.5 mm² (16/0.2 mm) **Inner sheath** a) Material Extruded PVC Type ST1 to IS: 5831 b) Minimum Thickness mm 0.3 Armouring Galvanised Steel a) Material b) Type of armouring Round Wire c) Nominal size of armour (mm) 0.9 d) Tolerance on armour dimensions ± 0.030 mm **Outer sheath** Extruded FR-LSH PVC Type ST1 to IS: 5831 a) Material b) Thickness mm 1.24 (Min.) c) colour of sheath Blue **FR-LSH PROPERTIES** Min. 29% as per ASTM D- 2863 a) Oxygen Index b) Temperature Index Min. 250 Deg.C as per ASTM D- 2863 c) Smoke Density Rating Max. 60% as per ASTM D- 2843 Max. 20% as per IEC- 754- 1 d) Acid Gas Generation e) Flammability Test As per IEC:332-I Issued Date:02/04/2018 Rev.No.:00

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

Document ID: TE/QMS/F/02



Minimum bending radius

Connection Zindagi Ka

Maximum conductor temperature under normal operating conditions $^{\circ}\mathrm{C}$

CABLES 70 12 times Overall diameter

Electrical Parameters	
a) Mutual capacitance nf/km	<250
b) Insulation resistance MΩ/km	10
c) Inductance to resistance ratio (L/R) μ H/ Ω	<40
d) Dielectric strength for 1 minute (H.V Test) kV	2
Max. tensile strength for Cables pulled with stocking (Newtons)	9 x D ² , D is the cable OD in mm
Approximate Overall diameter of cable mm	12.5 ± 2.0
Applicable Standard	Generally, as per IS 1554 Part I/88 & BSEN 50288-7
Standard Drum Length (Mtr.)	1000 ± 5%
Non-Standard Drum Length (Mtr.)	Maximum 5% of order quantity
Embossing	POLYCAB 300/500 VOLTS GRADE FR-LSH
Printing	YEAR POLYCAB 300/500 VOLTS GRADE FR-LSH CABLE SIZE SCREENED with SEQUENTIAL LENGTH MARKING at EVERY ONE METER INTERVAL

Issued Date:02/04/2018

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