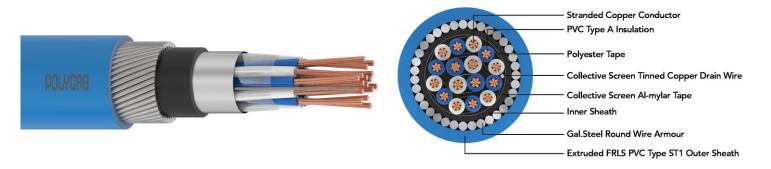


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## CABLES



## **INSTRUMENTATION CABLE**

## CABLE CODE: ICIS04CYSWYL002P1.5SA002S

## Particulars 2 Pair X 1.5 sqmm Name of Manufacturer POLYCAB INDIA LTD Type of Cable **Overall Screened** No of Elements X Size in mm<sup>2</sup> 2P 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 ( $\Omega$ /km) 12.3 c) Shape of conductor Stranded Circular Insulation a) Material PVC Type A as per IS:5831 b) Minimum Thickness mm 0.44 White & Blue with numbered Polyester tape (OR) c) Pair/Triad identification White & Blue with number printing on core **Collective Screen** a) Material Aluminium mylar tape 0.018 b) Nominal Thickness mm c) Material of Drain Wire Flexible ATC d) Size of Drain Wire (Approx.) 0.5 mm<sup>2</sup> (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 Round Wire b) Type of armouring 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

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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 Issued Date:02/04/2018



Connection Zindagi Ka	CADLLJ
a) Thickness mm	1.24 (Min.)
b) colour of sheath	Blue
FR-LSH PROPERTIES	
a) Oxygen Index	Min. 29% as per ASTM D- 2863
b) Temperature Index	Min. 250 Deg.C as per ASTM D- 2863
c) Smoke Density Rating	Max. 60% as per ASTM D- 2843
d) Acid Gas Generation	Max. 20% as per IEC- 754- 1
e) Flammability Test	As per IEC:332-I
Maximum conductor temperature under normal operating conditions °C	70
Minimum bending radius	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) $\mu$ H/ $\Omega$	<40
d) Dielectric strength for 1 minute (H.V Test) kV	2
Max. tensile strength for Cables pulled with stocking (Newtons)	$9 \times D^2$ , D is the cable OD in mm
Approximate Overall diameter of cable mm	14.5 ± 2.0
Applicable Standard	Generally as per IS 1554 Part I/88 & BSEN 50288-7
Standard Drum Length (Mtr.)	$1000 \pm 5\%$
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