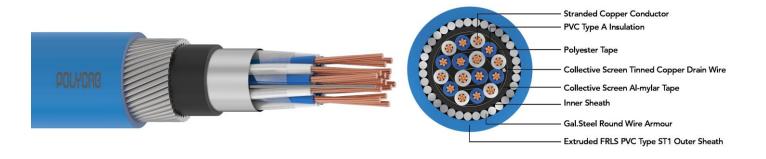


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CABLES



INSTRUMENTATION CABLE

CABLE CODE: ICIS04CYSWYL002P0.5SA002S

Particulars	2Pair X 0.5 sqmm
Name of Manufacturer	POLYCAB INDIA LTD
Type of Cable	Overall Screened
No of Elements X Size in mm ²	2P X 0.5
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) 	36.7
c) Shape of conductor	Stranded Circular
Insulation	
a) Material	PVC Type A as per IS:5831
b) Minimum Thickness mm	0.44
c) Pair/Triad identification	White & Blue with numbered Polyester tape (OR) White & Blue with number printing on core
Collective Screen	
a) Material	Aluminium mylar tape
b) Nominal Thickness mm	0.018
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	
a) Material	Galvanised Steel
b) Type of armouring	Round Wire
c) Nominal size of armour (mm)	0.9
d) Tolerance on armour dimensions	± 0.030 mm
Outer sheath	
a) Material b) Thickness mm	Extruded FR-LSH PVC Type ST1 to IS: 5831 1.24 (Min.)

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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



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c) 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 b) Insulation resistance MΩ/km c) Inductance to resistance ratio (L/R) μH/Ω 	<250 10 <25
d) Dielectric strength for 1 minute (H.V Test) kV	2.0
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	12.5 ± 2.0
Applicable Standard	Generally, as per IS 1554 Part I/88 & BSEN 50288-7
Standard Drum Length (Mtr.) Non-Standard Drum Length (Mtr.) Embossing Printing	1000 ± 5% Maximum 5% of order quantity POLYCAB 300/500 VOLTS GRADE FR-LSH YEAR POLYCAB 300/500 VOLTS GRADE FR-LSH CABLE SIZE SCREENED with SEQUENTIAL LENGTH MARKING at EVERY
	ONE METER INTERVAL