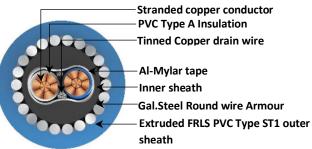


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CABLES





INSTRUMENTATION CABLE

CABLE CODE: ICIS04CYSWYL001P.75SA003S

Particulars 1 Pair X 0.75 sqmm Name of Manufacturer POLYCAB INDIA LTD Type of Cable **Overall Screened** No of Elements X Size in mm² 1P X 0.75 300/500 Voltage Grade (V) Conductor Material Plain Stranded Copper (Class-2) as per IS: 8130/2013 Maximum D.C. resistance of conductor at 24.5 20° C (Ω/km) Shape of conductor Stranded Circular Insulation Material PVC Type A as per IS:5831 Minimum Thickness mm 0.44 Pair/Triad identification White & Blue **Collective Screen** Material Aluminium mylar tape Nominal Thickness mm 0.018 Flexible ATC Material of Drain Wire Size of Drain Wire (Approx.) 0.5 mm² (16/0.2 mm) **Inner sheath** Extruded PVC Type ST1 to IS: 5831 Material Minimum Thickness mm 0.3 Armouring Material Galvanised Steel Round Wire Type of armouring Nominal size of armour (mm) 0.9

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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



CABLES

Tolerance on armour dimensions	± 0.030 mm
Outer sheath	
Material	Extruded FR-LSH PVC Type ST1 to IS: 5831
Thickness mm	1.24 (Min.)
colour of sheath	Blue
FR-LSH PROPERTIES	
Oxygen Index	Min. 29% as per ASTM D- 2863
Temperature Index	Min. 250 Deg.C as per ASTM D- 2863
Smoke Density Rating	Max. 60% as per ASTM D- 2843
Acid Gas Generation	Max. 20% as per IEC- 754- 1
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	
Electrical Parameters Mutual capacitance nf/km	<250
	<250 10
Mutual capacitance nf/km	
Mutual capacitance nf/km Insulation resistance M Ω /km Inductance to resistance ratio (L/R) μ H/ Ω Dielectric strength for 1 minute (H.V Test)	10
Mutual capacitance nf/km Insulation resistance MΩ/km Inductance to resistance ratio (L/R) μH/Ω	10 <25
Mutual capacitance nf/km Insulation resistance $M\Omega/km$ Inductance to resistance ratio (L/R) μ H/ Ω Dielectric strength for 1 minute (H.V Test) kV Max. tensile strength for Cables pulled with	10 <25 2
Mutual capacitance nf/km Insulation resistance $M\Omega/km$ Inductance to resistance ratio (L/R) μ H/ Ω Dielectric strength for 1 minute (H.V Test) kV Max. tensile strength for Cables pulled with stocking (Newtons)	10 <25 2 9 x D², D is the cable OD in mm
Mutual capacitance nf/km Insulation resistance $M\Omega/km$ Inductance to resistance ratio (L/R) μ H/ Ω Dielectric strength for 1 minute (H.V Test) kV Max. tensile strength for Cables pulled with stocking (Newtons) Approximate Overall diameter of cable mm	10 <25 2 9 x D ² , D is the cable OD in mm 10.5 \pm 2.0
Mutual capacitance nf/km Insulation resistance $M\Omega/km$ Inductance to resistance ratio (L/R) μ H/ Ω Dielectric strength for 1 minute (H.V Test) kV Max. tensile strength for Cables pulled with stocking (Newtons) Approximate Overall diameter of cable mm Applicable Standard	10 $<$ 25 2 9 x D ² , D is the cable OD in mm 10.5 \pm 2.0 Generally, as per IS 1554 Part I/88 & BSEN 50288-7
Mutual capacitance nf/km Insulation resistance MΩ/km Inductance to resistance ratio (L/R) μH/Ω Dielectric strength for 1 minute (H.V Test) kV Max. tensile strength for Cables pulled with stocking (Newtons) Approximate Overall diameter of cable mm Applicable Standard Standard Drum Length (Mtr.)	10 $<$ 25 2 9 x D ² , D is the cable OD in mm 10.5 \pm 2.0 Generally, as per IS 1554 Part I/88 & BSEN 50288-7 1000 \pm 5%

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