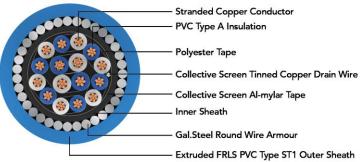




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INSTRUMENTATION CABLE

CABLE CODE: ICISO4CYSWYL006P.75SA004S

Partic	ulars	6 Pair X 0.75 sqmm	
Name of Manufacturer		POLYCAB INDIA LTD	
Type of Cable		Overall Screened	
No of Elements X Size in mm ²		6P X 0.75	
Voltage	e 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)	25	
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 mm ² (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	

Rev.No.:00 Issued Date:02/04/2018





Outer sheath			
a) Material	Extruded FR-LSH PVC Type ST1 to IS: 5831		
b) Thickness mm	1.24 (Min.)		
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	<250		
b) Insulation resistance $M\Omega/km$	10		
c) Inductance to resistance ratio (L/R) $\mu H/\Omega$	<25		
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	17 ± 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		

Rev.No.:00 Issued Date:02/04/2018