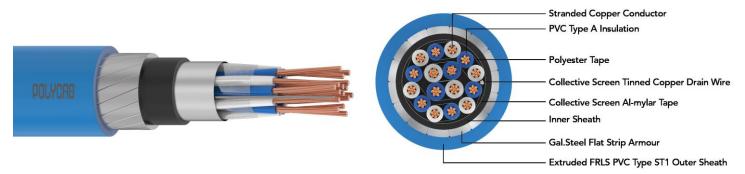


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CABLES



INSTRUMENTATION CABLE

CABLE CODE: ICIS04CYSFYL024P001SA001S

Particulars 24 Pair X 1 sqmm Name of Manufacturer POLYCAB INDIA LTD Type of Cable **Overall Screened** No of Elements X Size in mm² 24P X 1 300/500 Voltage Grade (V) Conductor a) Material Plain Stranded Copper (Class-2) as per IS: 8130/2013 b) Maximum D.C. resistance of 18.5 conductor at 20° C (Ω/km) Stranded Circular c) Shape of conductor 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 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 Flat Strip c) Nominal size of armour (mm) 4.0 x 0.8 d) Tolerance on armour dimensions ± 10% **Outer sheath** 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



CABLES

| a) Material | Extruded FR-LSH PVC Type ST1 to IS: 5831 |
|---|--|
| b) Thickness mm | 1.40 (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) µH/Ω | <25 |
| 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 | 29 ± 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 |

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