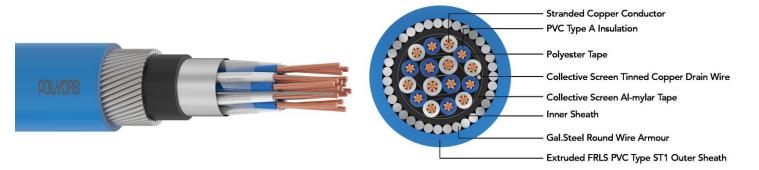


CABLES



INSTRUMENTATION CABLE

CABLE CODE: ICIS04CYSWYL004P001SA002S

Document ID: TE/QMS/F/02

| Particulars | 4 Pair X 1 sqmm |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Name of Manufacturer | POLYCAB INDIA LTD |
| Type of Cable | Overall Screened |
| No of Elements X Size in mm ² | 4P X 1 |
| Voltage Grade (V) | 300/500 |
| Conductor | |
| a) Material | Plain Stranded Copper (Class-2) as per IS: 8130/2013 |
| Maximum D.C. resistance of conductor at 20° C (Ω/km) | 18.5 |
| 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 | |

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

Issued Date:02/04/2018



CABLES

| 1.24 (Min.) |
|------------------------------------------------------------------------------------------------------------------------------|
| Blue |
| |
| Min. 29% as per ASTM D- 2863 |
| Min. 250 Deg.C as per ASTM D- 2863 |
| Max. 60% as per ASTM D- 2843 |
| Max. 20% as per IEC- 754- 1 |
| As per IEC:332-I |
| 70 |
| 12 times Overall diameter |
| |
| <250 |
| 10 |
| <25 |
| 2 |
| $9 \times D^2$, D is the cable OD in mm |
| 15 ± 2.0 |
| Generally, as per IS 1554 Part I/88 & BSEN 50288-7 |
| $1000 \pm 5\%$ |
| 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 |
| |