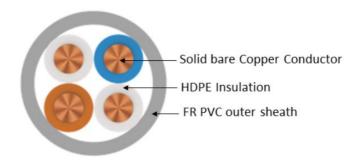






e) Nominal Diameter (mm)



SWITCHBOARD CABLE

Document ID: TE/QMS/F/02 DESIGN CODE : TLBL00CPUAYF002P0.4M

| Document id. 12/Qivi3/F/02 | DESIGN CODE . ILDLUUCPUATFUUZPU.4W |
|--|---|
| Particulars | 2P x 0.4 mm |
| Manufacturer Name | Polycab India Limited. |
| Cable Type | Dry Telephone Unscreened Unarmoured Cable |
| Applicable Specifications | Ref. GR/WIR-06/03. MAR 2002, |
| Number of Pairs | 2 Pair |
| Conductor | |
| a) Material | Annealed Bare Copper Conforming to IS 8130 latest |
| b) Class | Class 1 |
| c) Diameter Nom. (mm) | 0.4 |
| d) Shape of Conductor | Circular |
| e) Annealing (Min.) | 15% |
| Insulation | |
| a) Material | HDPE Type III of ASTM D 1248/BS 6234 |
| b) Nominal Thickness of insulation (mm) | The thickness of insulation shall be adequate to meet the electrical requirements |
| c) Method of Application | Extrusion |
| d) Colour scheme for identification of cores | As per IS-9938 |
| Cable Elements | Two insulated conductors uniformly twisted together to form a pair with suitable Right Hand Lay |
| Colour coding / Pair identification | Table – 2 of GR/WIR-06/03 (Ref. Annexure-I) |
| Twinning & Group Twinning | 2 Pairs twisted together for Laid-up of 2 Pr, |
| Unit Identification | Not Applicable |
| Laid up | The units shall be laid up as per cable size and construction. |
| Outer Sheath | |
| a) Material | FR PVC |
| b) Colour | Grey |
| c) Type | ST 1 conforming to (As per IS – 5831) |
| d) Thickness Min. (mm) | 0.5 |

 3.8 ± 1.0





| Electrical Test | 0.40 mm Conductor |
|--|---|
| a) Conductor Resistance (Max.) | 143 Ω/Km |
| b) Capacitance unbalance Pair to Pair (Max) | 230 pF/km |
| c) Insulation Resistance (Min.) | 50 MΩ/Km |
| d) Dielectric Strength (DC Voltage) | |
| 3 kV DC or 2 kV RMS Applied between each conductor and the remaining conductor bunch and earth | Withstand for 1 Minutes. There should not any breakdown of the insulation. |
| Standard Length | Coil Formation (90/100/500 mtr) |
| Prominently Printing Marking on the Cable | "YEAR" "SIZE" "POLYCAB DAMAN" "FR" SEQUENTIAL LENGTH MARKING AT EVERY ONE METER |

| Annexure-1 | | | |
|--------------------|----------------------|----------------------|--|
| Pair Colour Coding | | | |
| | Colour of Insulation | Colour of Insulation | |
| Pairing Element | Conductor "A" | Conductor "B" | |
| 1 | White | Blue | |
| 2 | White | Orange | |

| CABLE MAKE-UP | | |
|---------------|------------|------------------------|
| No of Pairs | No of Unit | Indentification Binder |
| 2 Pair | 1 x 2 Pr | Not Applicable |

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