

| Technical Datasheet of Flexible Cables | | | LDIS09CYUAYL004C010S |
|--|--|--------|--|
| Sr.No. | Description | Unit | 5C X 10 Sq. mm. |
| 1 | Manufacturer Name | | Polycab Wires Private Limited |
| 2 | Brand Name | | POLYCAB |
| 3 | Rated Voltage | | 1100V |
| 4 | CONDUCTOR | | |
| | a) Material | | Plain annealed high conductivity Flexible copper conductor as per Class 5 of IS 8130/2013 latest |
| | b) Conductor Size | Sq.mm | 10.0 |
| | c) Max. D.C Cond. Resistance at 20 Deg. C. | Ohm/km | 1.91 |
| 5 | INSULATION | | |
| | a) Material | | PVC Type 'D' |
| | b) Nominal Thickness in mm. | mm | 1.0 |
| | c) Core Identification | | Red, Yellow, Blue & Green |
| 6 | Sheath | | |
| | Material | | Extruded "FR-LSH" PVC Type 'ST3' as per IS:5831/84 |
| | Nominal Thickness in mm. | | 1.4 |
| | Sheath Colour | | Black |
| | 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 |
| 7 | Maximum Overall Diameter | mm | 21 |
| 8 | Current rating | Amps | 51 |
| 9 | Max. conductor temp. under normal operating conditions | °C | 70°C |
| 10 | Max conductor temp at the termination of short circuit | °C | 160°C |
| 11 | Standards to which the cables confirm | | As per IS 8130/2013,IS 694/2010, etc. with latest up to date amendments |
| 12 | Recommended minimum bending radius in mm | | 8 times the overall diameter of the cable |
| 13 | Max. Tensile strength when pulled with pulling eye | Kg | 204 |
| 14 | Printing | | POLYCAB 1100 V, NO.OF CORE X SQ.MM FR-LSH |