



| Technical Data of Flexible Cables | | | | |
|-----------------------------------|----|--|--------|--|
| Sr.No. | | Description | Unit | 1C X 6 |
| | | | | 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 | 6 |
| | c) | Max. D.C Cond. Resistance at 20 Deg. C. | Ohm/km | 3.30 |
| 5 | | INSULATION | | |
| | a) | Material | | PVC Type 'C' with FR-LSH Propertes |
| | b) | Thickness - Nominal | mm | 0.8 |
| | c) | Core Identification | | Red Yellow Blue Black Green Grey Yellow/Green |
| | d) | 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 |
| 6 | | Maximum Overall Diameter | mm | 5.3 |
| 7 | | Current rating | Amps | 44.4 |
| 8 | | Max. conductor temp. under normal operating conditions | °C | 85°C |
| 9 | | Max conductor temp at the termination of short circuit | °C | 160°C |
| 10 | | Standards to which the cables confirm | | As per IS 8130/2013,IS 694/2010, etc. with latest up to date amendments |
| 11 | | Recommended minimum bending radius in mm | | 8 times the overall diameter of the cable |
| 12 | | Max. Tensile strength when pulled with pulling eye | Kg | 31 |
| 13 | | Printing | | POLYCAB 1100 V, SQ.MM HR-FR-LSH |