



FR SINGLE CORE FLEXIBLE CABLE

Document ID: TE/QMS/F/02

DESIGN CODE : LDIS09CYUAYF001C095S

| Particulars | 1 Core X 95 Sq.mm |
|--|---|
| Name of Manufacturer | Polycab India Ltd |
| Type of cable | FR |
| Voltage Grade (Volts) | 1100 |
| No of cores X size in Sq.mm. | 1 Core X 95 Sq.mm |
| Conductor | |
| a) Material | Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest |
| b) Max. d.c. resistance of conductor at 20° C (ohm/km) | 0.206 |
| c) Shape of the conductor | Flexible Circular |
| Insulation | |
| a) Material | FR PVC TYPE D as per IS 5831/1984, Latest |
| b) Nominal thickness (mm) | 1.6 |
| c) Core identification | Red / Black / Blue / Yellow / White / Grey |
| Approx. overall diameter of the cable in mm | 15.7 |
| Maximum conductor temperature under normal operating condition | 70° C |
| Maximum conductor temperature at the terminal of short circuit | 160° C |
| High voltage test | 3kv |
| Continuous Current carrying capacities :- | |
| a) In Air at 40° C (A) | 257 |
| Applicable Standard | IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates |
| Minimum bending radius | 6 times Overall diameter |
| FR Properties | |
| a) Oxygen Index | Min. 29% as per ASTM D-2863 |
| b) Temperature Index | Min. 250 Deg. C as per ASTM D-2863 |
| Standard packing length | 100 meter coil, 300 meter coil, 500 meter, 1000 meter (Higher quantity in wodden drum) |
| Printing | POLYCAB FR <SIZE SQ.MM> 1100V IS : 694 <ISI LOGO> CM/L - 2832257, HALOL - <CE MARKING> |

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Note:-The values given above are subject to tolerances as per the relevant standards.

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