



## FR-LSH SINGLE CORE FLEXIBLE CABLE

**Document ID: TE/QMS/F/02**

**DESIGN CODE : LDIS09CYUAYL001C1.5S**

| Particulars  | 1 Core X 1.5 Sq.mm.   |
|--|---|
| Name of Manufacturer   | Polycab India Ltd   |
| Type of cable  | FR-LSH  |
| Voltage Grade (Volts)  | 1100  |
| No of cores X size in Sq.mm.                                   | 1 Core X 1.5 Sq.mm.   |
| <b>Conductor</b>   |   |
| 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)         | 13.3  |
| c) Shape of the conductor                                      | Flexible Circular   |
| <b>Insulation</b>  |   |
| a) Material  | FR-LSH PVC TYPE D as per IS 5831/1984, Latest   |
| b) Nominal thickness (mm)                                      | 0.6   |
| c) Core identification   | Red / Black / Blue / Yellow / White / Grey  |
| Approx. overall diameter of the cable in mm                    | 2.8   |
| Maximum conductor temperature under normal operating condition | 70° C   |
| Maximum conductor temperature at the terminal of short circuit | 160° C  |
| High voltage test  | 3kv   |
| <b>Continuous Current carrying capacities :-</b>               |   |
| a) In Air at 40° C (A)   | 17  |
| 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  |
| <b>FR-LSH Properties</b>                                       |   |
| a) Oxygen Index  | Min. 29% as per ASTM D-2863   |
| b) Temperature Index   | Min. 250 Deg. C as per ASTM D-2863  |
| c) Smoke density ratting                                       | Max. 60% as per ASTM D -2843  |
| d) Acid gas generation   | Max. 20% as per IEC 60754-1   |
| Standard packing length  | 100 meter coil, 300 meter coil, 500 meter, 1000 meter (Higher quantity in wodden drum)            |
| Printing   | POLYCAB FR-LSH <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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