



## FR-LSH SINGLE CORE FLEXIBLE CABLE

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

**DESIGN CODE : LDIS09CYUAYL001C0.5S**

Particulars	1 Core X 0.5 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 0.5 Sq.mm.
<b>Conductor</b>	
a) Material	Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest 39
b) Max. d.c. resistance of conductor at 20° C (ohm/km)	39
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	2.1
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)	4
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.

www.polycab.com | Toll Free No - 1800 267 0008 | Email: enquiry@polycab.com