



## FR-LSH SINGLE CORE FLEXIBLE CABLE

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

**DESIGN CODE : LDIS09CYUAYL001C004S**

Particulars	1 Core X 4 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 4 Sq.mm
Conductor	
a) Material	Multi stranded copper conductor as per Class 5 of IS 8130/2013, latest
b) Max. d.c. resistance of conductor at 20° C (ohm/km)	4.95
c) Shape of the conductor	Flexible Circular
Insulation	
a) Material	FR-LSH PVC TYPE D as per IS 5831/1984, Latest
b) Nominal thickness (mm)	0.8
c) Core identification	Red / Yellow / Blue / Black / Green / any customised colour
d) Maximum overall diameter of the cable in mm	4.8
Electrical Parameters	
Maximum conductor temperature under normal operating condition	70° C
Maximum conductor temperature at the terminal of short circuit	160° C
Continuous Current carrying capacities :-	
a) In Air at 40° C (A)	29
Applicable Standard	IIS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates
Minimum bending radius	6 times Overall diameter
FR-LSH Properties	
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 rating	Max. 60% as per ASTM D -2843
d) Acid gas generation	Max. 20% as per IEC 60754-1
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