



FR-LSH MULTICORE FLEXIBLE CABLE

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DESIGN CODE : LDIS09CYUAYL003C2.5S

Particulars	3 Core X 2.5 Sq.mm.
Name of Manufacturer	Polycab India Ltd
Type of cable	YY
Voltage Grade V	1100
No of cores X size in Sq.mm.	3 Core X 2.5 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)	7.98
c) Shape of the conductor	Flexible Circular
Insulation	
a) Material	PVC TYPE D as per IS 5831/1984, Latest
b) Nominal thickness (mm)	0.7
c) Core identification	Red, Black and yellow-green
Sheath	
a) Material	Extruded FR-LSH PVC Type ST3 as per IS 5831/1984, Latest
b) Nominal thickness (mm)	1.0
c) Colour of outer sheath	Black
Approx. overall diameter of the cable in mm	9.4
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)	21
Applicable Standard	IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates
Minimum bending radius	8 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
Standard packing length	100 meter coil, 300 meter coil, 500 meter, 1000 meter (Higher quantity in woden 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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