



FR-LSH MULTICORE FLEXIBLE CABLE

Document ID: TE/QMS/F/02

DESIGN CODE : LDIS09CYUAYL002C001SA

Particulars		2 Core X 1 Sq.mm.
Name of Manufacturer		Polycab India Ltd
Type of cable		YY
Voltage Grade V		1100
No of cores X size in sq.mm.		2 Core X 1 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)	19.5
c)	Shape of the conductor	Flexible Circular
Insulation		
a)	Material	PVC TYPE D as per IS 5831/1984, Latest
b)	Nominal thickness (mm)	0.6
c)	Core identification	Red and Black
Sheath		
a)	Material	Extruded FR-LSH PVC Type ST3 as per IS 5831/1984, Latest
b)	Nominal thickness (mm)	0.9
c)	Colour of outer sheath	Black
Approx. overall diameter of the cable in mm		6.8+/-2
Electrical Parameters		
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)	14
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 wooden drum)
Printing	POLYCAB FR-LSH <SIZE SQ.MM> 1100V IS : 694 <ISI LOGO> CM/L - 2832257, HALOL - <CE MARKING>