Center filler
Bunched Copper Conductor
Insulation
FR-LSH Outer sheath
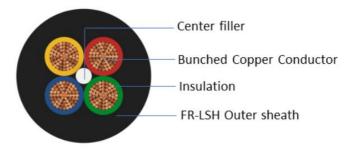
FR-LSH MULTICORE FLEXIBLE CABLE

Document ID: TE/QMS/F/02   **DESIGN CODE : LDIS09CYUAYL004C025S**

Particulars	4 Core X 25 Sq.mm
Name of Manufacturer	Polycab India Ltd
Type of cable	YY
Voltage Grade V	1100
No of cores X size in sq.mm.	4 Core X 25 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)	0.78
c) Shape of the conductor	Flexible Circular
Insulation	
a) Material	PVC TYPE D as per IS 5831/1984, Latest
b) Nominal thickness (mm)	1.2
c) Core identification	Red, Yellow, Blue and Green
Outer Sheath	
a) Material	Extruded FR-LSH PVC Type ST3 as per IS 5831/1984, Latest
b) Nominal thickness (mm)	1.6
c) Colour of outer sheath	Black
Approx. overall diameter of the cable in mm	24.5+/-2
Maximum conductor temperature under normal operating condition	70°C
Maximum conductor temperature at the terminal of short circuit	160°C
Electrical Parameters	
a) Max. a.c. resistance of conductor at operating temperature (Ohm/KM)	0.93
b) High voltage test (kV)	3
Continuous Current carrying capacities :-	
a) In Air at 40°C (A)	85
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 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>

Rev. No.: 00

Issued Date : 10/06/2021

Note:-The values given above are subject to tolerances as per the relevant standards