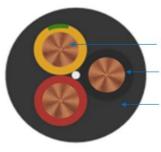


## CABLES





Flexible bunched Copper Conductor

Insulation

FR-LSH Outer sheath

# FR-LSH MULTICORE FLEXIBLE CABLE

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

### **DESIGN CODE : LDIS09CYUAYL003C006S**

Particulars	3 Core X 6 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 6 Sq.mm.
Conductor	
a) Material	Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest
<ul> <li>b) Max. d.c. resistance of conductor at 20° C (ohm/km)</li> </ul>	3.3
c) Shape of the conductor	Flexible Circular
Insulation	
a) Material	PVC TYPE D as per IS 5831/1984, Latest
b) Nominal thickness (mm)	0.8
c) Core identification	Red, Black and Yellow-green
Outer Sheath	
a) Material	Extruded FR-LSH PVC Type ST3 as per IS 5831/1984, Latest
b) Nominal thickness (mm)	1.2
c) Colour of outer sheath	Black
Approx. overall diameter of the cable in mm	12.6 +/-2
Maximum conductor temperature under normal operating condition	70°C
Maximum conductor temperature at the terminal of short circuit	160°C
Electrical Parameters	
<ul> <li>a) Max. a.c. resistance of conductor at operating temperature (Ohm/km)</li> </ul>	3.94
b) High voltage test (kV)	3
Continuous Current carrying capacities :-	
a) In Air at 40°C (A)	36
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



## CABLES

#### **FR-LSH Properties**

- a) Oxygen Index
- b) Temperature Index
- c) Smoke density ratting
- d) Acid gas generation

Standard packing length

Printing

Min. 29% as per ASTM D-2863 Min. 250 Deg. C as per ASTM D-2863 Max. 60% as per ASTM D -2843 Max. 20% as per IEC 60754-1 100 meter coil, 300 meter coil, 500 meter, 1000 meter (Higher quantity in wodden drum) 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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