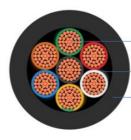


CABLES





Flexible Bunched Copper Conductor

Insulation
 FR-LSH outer sheath

FR-LSH MULTICORE FLEXIBLE CABLE

Document ID: TE/QMS/F/02

DESIGN CODE : LDIS09CYUAYL012C2.5S

| Particulars | 12 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. | 12 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 | As per Annexure-I | | | |
| Outer Sheath | | | | |
| a) Material | Extruded FR-LSH PVC Type ST3 as per IS 5831/1984, Latest | | | |
| b) Nominal thickness (mm) | 1.3 | | | |
| c) Colour of outer sheath | Black | | | |
| Approx. overall diameter of the cable in mm | 16.8+/-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) | 9.54 | | | |
| b) High voltage test (kV) | 3 | | | |
| 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
- 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>

| Annexure-1 | | | |
|------------|------------------|-------------------------------------|-----------|
| | Colour Scheme fo | r Multicore flexible cable 6 core a | and above |
| Sr. No | Printing No. | Basic Colour | Stripe |
| 1 | | Yellow | Green |
| 2 | 1 | Black | - |
| 3 | 2 | White | - |
| 4 | 3 | Red | - |
| 5 | 4 | Green | - |
| 6 | 5 | Orange | - |
| 7 | 6 | Blue | - |
| 8 | 7 | White | Black |
| 9 | 8 | Red | Black |
| 10 | 9 | Green | Black |
| 11 | 10 | Orange | Black |
| 12 | 11 | Blue | Black |
| 13 | 12 | Black | White |
| 14 | 13 | Red | White |
| 15 | 14 | Green | White |
| 16 | 15 | Blue | White |
| 17 | 16 | Black | Red |
| 18 | 17 | White | Red |
| 19 | 18 | Orange | Red |
| 20 | 19 | Blue | Red |
| 21 | 20 | Red | Green |
| 22 | 21 | Orange | Green |
| 23 | 22 | Black | Green |
| 24 | 23 | Blue | Green |
| 25 | 24 | White | Green |
| 26 | 25 | Black | Orange |

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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