





FR-LSH SINGLE CORE FLEXIBLE CABLE

<ISI LOGO> CM/L - 2832257, HALOL - <CE MARKING>

DECICAL CODE . I DICOCCULIAVI 001 C02EC

| Name of Manufacturer Type of cable FR-LSH | Document ID: TE/QMS/F/02 | DESIGN CODE: LDIS09CYUAYL001C025S |
|---|---|--|
| Type of cable Voltage Grade (Volts) No of cores X size in Sq.mm. Conductor a) Material b) Max. d.c. resistance of conductor at 20° C (ohm/km) c) Shape of the conductor a) Material b) Material c) FR-LSH PVC TYPE D as per IS 5831/1984, Latest b) Nominal thickness (mm) c) Core identification Approx. overall diameter of the cable in mm Maximum conductor temperature under normal operating condition Maximum conductor temperature at the terminal of short circuit High voltage test a) In Air at 40° C (A) Applicable Standard Minimum bending radius FR-LSH PVC TYPE D as per IS 5831/1984, Latest 1.2 Continuous Current carrying capacities | Particulars | 1 Core X 25 Sq.mm. |
| 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) c) Shape of the conductor Flexible Circular Insulation a) Material FR-LSH PVC TYPE D as per IS 5831/1984, Latest b) Nominal thickness (mm) 1.2 c) Core identification Red / Black / Blue / Yellow / White / Grey Approx. overall diameter of the cable in mm 8.8 Maximum conductor temperature under normal operating condition Maximum conductor temperature at 160° C the terminal of short circuit High voltage test 3kv Continuous Current carrying capacities: a) In Air at 40° C (A) 111 Applicable Standard IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates Minimum bending radius 6 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 (Higher quantity in wodden drum) | Type of cable Voltage Grade (Volts) | FR-LSH 1100 |
| conductor as per Class 5 of IS 8130/2013, latest b) Max. d.c. resistance of conductor at 20° C (ohm/km) c) Shape of the conductor Flexible Circular Insulation a) Material FR-LSH PVC TYPE D as per IS 5831/1984, Latest b) Nominal thickness (mm) 1.2 c) Core identification Red / Black / Blue / Yellow / White / Grey Approx. overall diameter of the cable in mm 8.8 Maximum conductor temperature under normal operating condition Maximum conductor temperature at 160° C the terminal of short circuit High voltage test 3kv Continuous Current carrying capacities: a) In Air at 40° C (A) 111 Applicable Standard IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates Minimum bending radius 6 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, 1000 meter (Higher quantity in wodden drum) | Conductor | |
| c) Shape of the conductor Insulation a) Material FR-LSH PVC TYPE D as per IS 5831/1984, Latest b) Nominal thickness (mm) 1.2 c) Core identification Red / Black / Blue / Yellow / White / Grey Approx. overall diameter of the cable in mm 8.8 Maximum conductor temperature under normal operating condition Maximum conductor temperature at the terminal of short circuit High voltage test 3kv Continuous Current carrying capacities: a) In Air at 40° C (A) 111 Applicable Standard IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates Minimum bending radius 6 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. 60% as per ASTM D-2843 d) Acid gas generation Max. 60% as per ASTM D-2863 Fandard packing length Mox 20% as per IEC 60754-1 Standard packing length (Higher quantity in wodden drum) | b) Max. d.c. resistance of conductor at 20° C | conductor as per Class 5 of IS 8130/2013, latest |
| a) Material FR-LSH PVC TYPE D as per IS 5831/1984, Latest b) Nominal thickness (mm) 1.2 c) Core identification Red / Black / Blue / Yellow / White / Grey Approx. overall diameter of the cable in mm 8.8 Maximum conductor temperature under normal operating condition Maximum conductor temperature at the terminal of short circuit High voltage test 3kv Continuous Current carrying capacities: a) In Air at 40° C (A) 111 Applicable Standard IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates Minimum bending radius 6 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, 1000 meter (Higher quantity in wodden drum) | , | Flexible Circular |
| b) Nominal thickness (mm) c) Core identification Red / Black / Blue / Yellow / White / Grey Approx. overall diameter of the cable in mm 8.8 Maximum conductor temperature under normal operating condition Maximum conductor temperature at the terminal of short circuit High voltage test 3kv Continuous Current carrying capacities: a) In Air at 40° C (A) 111 Applicable Standard Is 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates Minimum bending radius 6 times Overall diameter FR-LSH Properties a) Oxygen Index Min. 29% as per ASTM D-2863 b) Temperature Index C) Smoke density ratting Max. 60% as per ASTM D-2863 c) Smoke density ratting Max. 60% as per IEC 60754-1 Standard packing length Moximum beneficial in Max. 200 meter coil, 300 meter, 1000 meter (Higher quantity in wodden drum) | Insulation | |
| a) Oxygen Index b) Temperature Index c) Smoke density ratting d) Acid gas generation Standard packing length 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) | a) Material b) Nominal thickness (mm) c) Core identification Approx. overall diameter of the cable in mm Maximum conductor temperature under normal operating condition Maximum conductor temperature at the terminal of short circuit High voltage test Continuous Current carrying capacities a) In Air at 40° C (A) Applicable Standard | 1.2 Red / Black / Blue / Yellow / White / Grey 8.8 70° C 160° C 3kv :- 111 IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates |
| b) Temperature Index c) Smoke density ratting d) Acid gas generation Standard packing length 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) | FR-LSH Properties | |
| | b) Temperature Indexc) Smoke density rattingd) Acid gas generation | 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 |

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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