



BUNCHED Copper Conductor
FR-LSH base INSULATION
FR- LSH skin INSULATION

FR-LSH SINGLE CORE FLEXIBLE CABLE

Document ID:A13:I44O21A13:I42A13:I46A13:I45

| | |
|---|--|
| Particulars | 1 CORE X 4 Sq .mm |
| Name of MANUFACTURER | AMPSCAB INDIA PVT LTD |
| Type of cable | Fr-LSH |
| Voltage Grade (Volts) | 1100 |
| No of cores x size in sq.mm | 1 CORE X 2.5 SQ.mm |
| Conductor | |
| Material | plainannealed high conductivity FLEXIBEL copper conductor as per class 5 of |
| b) Max. d.c. resistance of conductor at 20 C ohm/km) | 4.95 |
| c)shape of conductor | flexibel Circular |
| Insulation | |
| a) Material | FR-LSH PVC TYPE D as per IS 5831/1984 latest |
| b) Nomonal thickness (mm) | 0.8 |
| c) core identification | red/black/blue/yellow/white/grey |
| Approx overall diameter of the cable in mm | 4.2 |
| Maximum conductor temperature under noramal operating condition | 70 C |
| Maximum conductor temperature at the terminal of circuit | 160 C |
| high voltage test | 3kv |
| Coninuous Current carrying capacities | |
| a) In Air at 40 C (A) | 31 |
| Applicable Standard | IS 8130/2013 IS 694/2010.ect with |
| Minimum bending radius | 6 times Overall diameter |
| FR-LSH Properties | |
| a) Oxgen index | MIN 29 % as per ASTM D- 2863 |
| b) Temperature index | MIN 250 Deg C as per ASTM D-2843 |
| 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 1000 m (Higher quantity in wooden drum) FR-LSH <SIZE SQMM> 1100V IS |

:694 <ISILOGO> CM/L - 2832257 HALOL -
<CE MARKING>

Rev . No: 00

issued Date 10/06/2024
