



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

FR-LSH SINGLE CORE FLEXIBLE CABLE

Document :

Particulars	1 CORE X 0.5 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 0.5 SQ.mm
Conductor	
Material	Plainannealed high conductivity flexible copper conductor as per class 5 of
b) Max. d.c. resistance of conductor at 20 C ohm/km)	39
c) Shape of conductor	Flexible Circular
Insulation	
a) Material	FR-LSH PVC TYPE D as per IS 5831/1984 latest
b) Nominal thickness (mm)	0.6
c) core identification	
Approx overall diameter of the cable in mm	2.1
Maximum conductor temperature under Normal operating condition	70°
Maximum conductor temperature at the terminal of circuit	160°
high voltage test	3kv
Continuous Current carrying capacities	
a) In Air at 40 C (A)	4
Applicable Standard	IS 8130/2013 IS 694/2010.ect with
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-2843
c) Smoke density rating	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)**