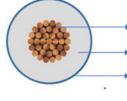
## CABLES





Bunched Copper Conductor

FR-LF base Insulation
FR-LF skin Insulation

# FR-LF SINGLE CORE FLEXIBLE CABLE

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

### **DESIGN CODE : LDIS09CYUAYF001C001S**

Particulars		1 Core X 1 Sq.mm
Name of Manufacturer		Polycab India Ltd
Type of cable		LF FR
Voltage Grade (Volts)		1100
No of cores X size in Sq.mm.		1 Core X 1 Sq.mm
Conductor		
a)	Material	Multi stranded copper conductor as per Class 5 of IS 8130/2013, latest
b)	Max. d.c. resistance of conductor at 20°C (ohm/km)	19.5
c)	Shape of the conductor	Flexible Circular
Insu	ation	
a)	Material	FR-LF PVC TYPE D as per IS 5831/1984, Latest
b)	Nominal thickness (mm)	0.6
<b>c</b> )	Core identification	Red / Yellow / Blue / Black / Green / any customised colour
d)	Maximum overall diameter of the cable in mm	3
Electrical Parameters		
	um conductor temperature under operating condition	70°C
Maxim the terr	um conductor temperature at minal of short circuit	160°C
Cont	inuous Current carrying capacities	te
a)	In Air at 40°C (A)	12
Applica	able Standard	IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates
Minimu	um bending radius	6 times Overall diameter
FR Properties		
a)	Oxygen Index	Min. 29% as per ASTM D-2863
b)	Temperature Index	Min. 250 Deg. C as per ASTM D-2863
Printin	g	POLYCAB LF FR <size sq.mm=""> 1100V IS : 694 <isi logo=""> CM/L- 2832257, HALOL - <ce marking=""></ce></isi></size>

#### Rev. No.: 00

Issued Date : 23/02/2022

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