



## FR SINGLE CORE FLEXIBLE CABLE

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

**DESIGN CODE : LDIS09CYUAYF001C185S**

Particulars		1 Core X 185 Sq.mm
Name of Manufacturer		Polycab India Ltd
Type of cable		FR
Voltage Grade (Volts)		1100
No of cores X size in Sq.mm.		1 Core X 185 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)		0.106
c) Shape of the conductor		Flexible Circular
Insulation		
a) Material		FR PVC TYPE D as per IS 5831/1984, Latest
b) Nominal thickness (mm)		2
c) Core identification		Red / Black / Blue / Yellow / White / Grey
Approx. overall diameter of the cable in mm		21.5
Maximum conductor temperature under normal operating condition		70° C
Maximum conductor temperature at the terminal of short circuit		160° C
High voltage test		3kv
Continuous Current carrying capacities :-		
a) In Air at 40° C (A)		391
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 Properties		
a) Oxygen Index		Min. 29% as per ASTM D-2863
b) Temperature Index		Min. 250 Deg. C as per ASTM D-2863
Standard packing length		100 meter coil, 300 meter coil, 500 meter, 1000 meter (Higher quantity in wooden drum)
Printing		POLYCAB FR <SIZE SQ.MM> 1100V IS : 694 <ISI LOGO> CM/L - 2832257, HALOL - <CE MARKING>