



FR SINGLE CORE FLEXIBLE CABLE

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DESIGN CODE : LDIS09CYUAYF001C010S

Particulars		1 Core X 10 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 10 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)	1.91	
c) Shape of the conductor	Flexible Circular	
Insulation		
a) Material	FR PVC TYPE D as per IS 5831/1984, Latest	
b) Nominal thickness (mm)	1.0	
c) Core identification	Red / Black / Blue / Yellow / White / Grey	
Approx. overall diameter of the cable in mm	6.1	
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)	54	
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>	