



MULTICORE FLEXIBLE CABLE

DESIGN CODE : LDIS09CYUAY1004C070S

Document ID: TE/QMS/F/02

Particulars		4 Core X 70 Sq.mm
Name of Manufacturer		Polycab India Ltd
Type of cable		YY
Voltage Grade V		1100
No of cores X size in sq.mm.		4 Core X 70 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)		0.272
c) Shape of the conductor		Flexible Circular
Insulation		
a) Material		PVC TYPE D as per IS 5831/1984, Latest
b) Nominal thickness (mm)		1.4
c) Core identification		Red, Yellow, Blue and Black
Outer Sheath		
a) Material		Extruded PVC Type ST3 as per IS 5831/1984, Latest
b) Nominal thickness (mm)		2.2
c) Colour of outer sheath		Black
Approx. overall diameter of the cable in mm		37.2+/-2
Maximum conductor temperature under normal operating condition		70°C
Maximum conductor temperature at the terminal of short circuit		160°C
Electrical Parameters		
a) Max. a.c. resistance of conductor at operating temperature (Ohm/Km)		0.325
b) High voltage test (kV)		3
Continuous Current carrying capacities :-		
a) In Air at 40°C (A)		165
Applicable Standard		IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates
Minimum bending radius		8 times Overall diameter

Fire Properties

a) Flammability test	As per IEC 60332-1-2
Standard packing length	100 meter coil, 300 meter coil, 500 meter, 1000 meter (Higher quantity in wooden drum)
Printing	POLYCAB <SIZE SQ.MM> 1100V IS : 694 <ISI LOGO> CM/L - 2832257, HALOL - <CE MARKING>