



## MULTICORE FLEXIBLE CABLE

**DESIGN CODE : LDIS09CYUAY1003C070S**

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

Particulars	3 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.	3 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 and Blue
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	33.7+/-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>