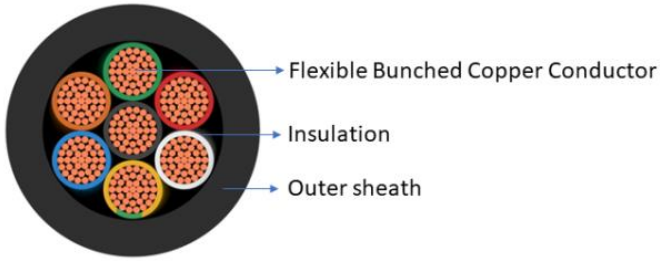
POLYCAB
Connection Zindagi Ka

CABLES



MULTICORE FLEXIBLE CABLE

Document ID: TE/QMS/F/02 **DESIGN CODE : LDIS09CYUAY1019C1SA**

Particulars	19 Core X 1 Sq.mm
Name of Manufacturer	Polycab India Ltd
Type of cable	YY
Voltage Grade V	1100
No of cores X size in sq.mm.	19 Core X 1 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)	19.5
c) Shape of the conductor	Flexible Circular
Insulation	
a) Material	PVC TYPE D as per IS 5831/1984, Latest
b) Nominal thickness (mm)	0.6
c) Core identification	As per Annexure-I
Outer Sheath	
a) Material	Extruded PVC Type ST3 as per IS 5831/1984, Latest
b) Nominal thickness (mm)	1.3
c) Colour of outer sheath	Black
Approx. overall diameter of the cable in mm	15+/-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)	23.3
b) High voltage test	3kV
Continuous Current carrying capacities :-	
a) In Air at 40°C (A)	12
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 wodden drum)
Printing	POLYCAB <SIZE SQ.MM> 1100V IS : 694 <ISI LOGO> CM/L - 2832257, HALOL - <CE MARKING>

Annexure-1			
Colour Scheme for Multicore flexible cable 6 core and above			
Sr. No	Printing No.	Basic Colour	Stripe
1		Yellow	Green
2	1	Black	-
3	2	White	-
4	3	Red	-
5	4	Green	-
6	5	Orange	-
7	6	Blue	-
8	7	White	Black
9	8	Red	Black
10	9	Green	Black
11	10	Orange	Black
12	11	Blue	Black
13	12	Black	White
14	13	Red	White
15	14	Green	White
16	15	Blue	White
17	16	Black	Red
18	17	White	Red
19	18	Orange	Red
20	19	Blue	Red
21	20	Red	Green
22	21	Orange	Green
23	22	Black	Green
24	23	Blue	Green
25	24	White	Green
26	25	Black	Orange

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