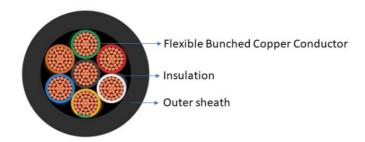






Document ID: TE/QMS/F/02

Minimum bending radius



## MULTICORE FLEXIBLE CABLE

**DESIGN CODE: LDIS09CYUAY1016C1SA** 

Particulars		16 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.		16 Core X 1 Sq.mm.	
Conductor			
a) Material		Plain annealed high conductivity flexible copper conductors as per Class 5 of IS 8130/2013, latest	
b) Max. d.c. resista (ohm/km)	nce of conductor at 20° C	19.5	
c) Shape of the con	ductor	Flexible Circular	
Insulation			
a) Material		PVC TYPE D as per IS 5831/1984, Latest	
b) Nominal thickne	ss (mm)	0.6	
c) Core identification	on	As per Annexure-I	
Outer Sheath			
a) Material		Extruded PVC Type ST3 as per IS 5831/1984, Latest	
b) Nominal thickne	ss (mm)	1.2	
c) Colour of outer s	heath	Black	
Approx. overall diameter of the cable in mm		14.1+/-2	
Maximum conductor temperature under normal operating condition		70°C	
Maximum conductor temperature at the terminal of short circuit		160°C	
<b>Electrical Paramet</b>	ters		
a) Max. a.c. resistar temperature (Oh	nce of conductor at operating nm/Km)	23.3	
b) High voltage tes	t	3kV	
Continuous Curre	nt carrying capacities :-		
a) In Air at 40°C (A)		12	
Applicable Standard		IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with lates up to date updates	

8 times Overall diameter





## **Fire Properties**

a) Flammability test

Standard packing length

**Printing** 

As per IEC 60332-1-2

100 meter coil, 300 meter coil, 500 meter, 1000 meter (Higher quantity in wodden drum)

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

Rev. No.: 00 Issued Date: 10/06/2021