



Technical Data Sheet of Flexible Cables

CUSTOMER: Vashi Electricals

Sr.No.	Description	Unit	5C X 10	5C X 16
			Sq. mm.	Sq. mm.
1	Manufacturer Name		Polycab Wires Private Limited, India	
2	Brand Name		POLYCAB	
3	Rated Voltage		1100V	
4	CONDUCTOR			
	a) Material		Plain annealed high conductivity Flexible copper conductor as per Class 5 of IS 8130/2013 latest	
	b) Conductor Size	Sq.mm	10.0	16.0
	c) Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	1.91	1.21
5	INSULATION			
	a) Material		PVC Type 'D'	
	b) Nominal Thickness in mm.	mm	1.0	1.0
	c) Core Identification		Red, Yellow, Blue, Black & Green	
6	Sheath			
	Material		Extruded PVC Type 'ST3' as per IS:5831/84	
	Nominal Thickness in mm.		1.4	1.4
	Nominal Overall Diameter		20 ± 2.0	23 ± 2.0
7	Sheath Colour	mm	Black	
8	Current rating	Amps	51	68
9	Max. conductor temp. under normal operating conditions	°C	70°C	
10	Max conductor temp at the termination of short circuit	°C	160°C	
11	Standards to which the cables confirm		Generally as per IS 694/2010, IS 8130/2013, etc. with latest up to date amendments	
12	Recommended minimum bending radius in mm		8 times the overall diameter of the cable	
13	Max. Tensile strength when pulled with pulling eye	Kg	255	408
14	Printing		POLYCAB 1100 V, NO.OF CORE X SQ.MM	

Note:-The values given above are subject to tolerances as per the relevant standards.

TDS NO- 180307-5598

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