



## TECHNICAL PARTICULARS OF FLEXIBLE CABLES

Customer- Vashi Electricals

Sr.No.	Description	Unit	6C X 6 Sq. mm.	7C X 4 Sq. mm.
1	Manufacturer Name		Polycab Wires Private Limited, India	
2	Brand Name		POLYCAB	
3	Rated Voltage		1100V	
4	<b>CONDUCTOR</b>			
a)	Material		Plain annealed high conductivity Flexible copper conductor as per Class 5 of IS 8130/2013, latest	
b)	Conductor Size	Sq.mm	6	4
c)	Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	4.95	4.95
5	<b>INSULATION</b>			
a)	Material		PVC Type 'D'	
b)	Nominal Thickness in mm.	mm	0.8	0.8
c)	Core Identification		As per attached annexure	
6	<b>Sheath</b>			
a)	Material		Extruded PVC Type 'ST3' as per IS:5831/84	
b)	Nominal Thickness in mm.		1.2	1.2
c)	Sheath Colour		Black	
7	<b>Approx. Overall Diameter</b>	mm	16.3 ± 2.0	15.3 ± 2.0
8	Current rating	Amps	29	29
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		As per IS 8130/2013, Generally as per IS 694/2010, 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	122	143
14	<b>Printing</b>		<b>POLYCAB 1100 V, NO.OF CORE X SQ.MM</b>	

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

TDS NO. 180314-5733

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