



## TECHNICAL PARTICULARS OF FLEXIBLE WIRES

Customer- Vashi Electricals

Sr.No.	Description	Unit	1C X 1 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	1.0
c)	Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	19.5
5	<b>INSULATION</b>		
a)	Material		PVC Type 'D' With FR Properties
b)	Thickness - Nominal	mm	0.6
c)	Core Identification		Brown   Orange   Violet   White
	<b>FR Properties</b>		
a)	Oxygen Index		Min. 29% as per ASTM D- 2863
b)	Temperature Index		Min. 250 Deg.C as per ASTM D- 2863
6	<b>Maximum Overall Diameter</b>	mm	3.0
7	Current rating	Amps	12
8	Max. conductor temp. under normal operating conditions	°C	70°C
9	Max conductor temp at the termination of short circuit	°C	160°C
10	Standards to which the cables confirm		As per IS 8130/84, IS 694/2010, etc. with latest up to date amendments
11	Recommended minimum bending radius in mm		8 times the overall diameter of the cable
12	Max. Tensile strength when pulled with pulling eye	Kg	5
13	<b>Printing</b>		<b>POLYCAB 1100 V, SQ.MM FR</b>

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

**TDS NO. 180312-5684**

**Vikash Kumar Jaiswal**