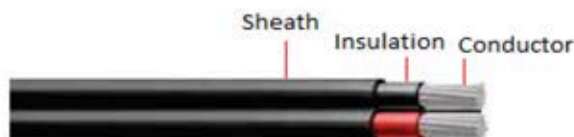




TECHNICAL DATA SHEET OF DC CABLE

Customer : PV Connections



Sr.No.	Description	Unit	4 Sq.mm. DC Twin Cable	6 Sq.mm. DC Twin Cable
			Sq.mm	Sq.mm
1	Manufacturer Name		Polycab Wires Private Limited	
2	Brand Name		POLYCAB	
3	Rated a.c. Voltage		0.6/1 kV	
	Rated d.c. Voltage		1.8 kV	
4	CONDUCTOR			
	a) Material		Annealed Tinned Flexible copper conductor as per Class 5 of IEC-60228 / DIN VDE 0295	
	b) Conductor Size	Sq.mm	4	6
	c) No/Maximum Dia. of strands	No/mm	56 x 0.3	84 x 0.3
	d) Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	5.09	3.39
	e) Conductor Diameter (Minimum)	mm	2.58	3.06
5	INSULATION			
	a) Material		Electron beam Cross linked compounds	
	b) Minimum Thickness	mm	0.5	0.5
6	Sheath			
	a) Material		Electron beam Cross linked compounds	
	b) Minimum Thickness	mm	0.5	0.5
7	Overall Diameter (Approx)	mm	5.0 x 10.2 mm	5.6 x 11.4 mm
8	Current rating			
9	a) Lower ambient temperature	°C	- 40°C	
	b) Upper ambient temperature	°C	+ 90°C	
10	Max. conductor temp. under normal operating conditions	°C	120°C	
11	Max. conductor temp at the termination of short circuit	°C	200°C for 5seconds	
12	Standards to which the cables confirm		TUV Specification-2 Pfg 1169/08.2007, Flame retardant according to IEC 60332-1-2, Halogen free according to EN 50627-2-2, Ozone resistant according to EN 50396, Weather/UV resistant according to DIN 53387	
13	Recommended minimum bending radius in mm		4 - 5 times the overall diameter of the cable	
14	Max. Tensile strength when pulled with pulling eye	Kg	41	61
15	Printing		"PV1-F" POLYCAB SOLAR DC TWIN CABLE 4 SQ.MM. AS PER 2Pfg 1169/08 2007	"PV1-F" POLYCAB SOLAR DC TWIN CABLE 6 SQ.MM. AS PER 2Pfg 1169/08 2007