

Technical Data Sheet of Solar Cable (Type 1)

		Cable Code	SOBS09TLUALC001C006S
Sr.No.	Description	Unit	1C X 6 Sq.mm
1	Manufacturer Name		Polycab India Limited
2	Brand Name		POLYCAB
3	Rated a.c. Voltage	kV	1.0/1.0
4	Nominal d.c. Voltage	kV	1.5
4	CONDUCTOR		
a)	Material		Annealed Tinned Flexible copper conductor as per Class 5 of BS EN 60228
b)	Conductor Size	Sq.mm	6
c)	Max. D.C Cond. Resistance at 20 Deg. C.	Ohm/km	3.39
5	INSULATION		
a)	Material		E-Beam Cross linkable LSOH Compound (Polyolefin Type) as per Annexure B Table B.1 of BS EN 50618
b)	Nominal Thickness	mm	0.7
c)	Colour of insulation		Black Red
6	Sheath		
a)	Material		E-Beam Cross linkable LSOH (Polyolefin Type) Compound as per Annexure B Table B.1 of BS EN 50618
b)	Nominal Thickness	mm	0.8
c)	Colour of outer sheath		Black Black with red strip
7	Overall Diameter (Approx)	mm	6.3 ± 0.4 mm
8	Current rating (upto 60°C) at two loaded cablestouch	Amp	57
9	Current rating of single cable free in air	Amp	70
10 (a)	Lower ambient temperature	°C	-40
b)	Upper ambient temperature	°C	90
11	Max. conductor temp. under normal operating conditions	°C	120°C
12	Max. conductor temp at the termination of short circuit	°C	200°C for 5seconds
13	Cable type and Applicable Standard (Cable Code)		Solar DC Cable as per BS EN 50618 (H1Z2Z2-K)
14	Recommended minimum bending radius in mm		8 - 10 times the overall diameter of the cable
15	Printing		“YEAR POLYCAB 1.5 KV DC SOLAR CABLE 'H1Z2Z2-K' CABLE SIZE EBXL TUV RHEINLAND EN 50618:2014 CE WITH SEQUENTIAL METER MARKING”

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