

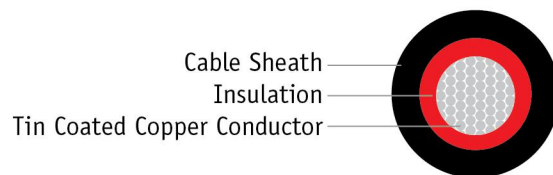
DC SOLAR CABLE

Features

- » Mineral Oil Resistance
- » Acid and Alkaline Resistance
- » Ammonia Resistance
- » Weather Resistance

Technical Data

- » Standard : Generally Conforming to EN 50618
- » Voltage Rating : AC 0.6 / 1.0 kV
- » PV - System Voltage : DC 1.8 kV
- » Conductor : Fine Wire Tinned Copper Conductor according to IEC 60228 cl. 5.
- » Insulation : XLPO (cross linkable, halogen free, flame retardant) compound for core insulation.
- » Sheath : XLPO (cross linkable, halogen free, flame retardant) compound for Sheath over insulation.
- » Cable Colour : Red, Black, Black with Red Strip



Application

- » Solar cables are intended for use in photovoltaic power supply systems and similar applications as free hanging, movable, fixed installation and buried in ground in constructional covered systems. The cables can be used indoor, outdoor, in hazard explosion areas, in industry and agriculture.

SPECIFICATION OF DC SOLAR CABLE

CABLE DESIGN PARAMETERS					
Nominal Cross-Sectional (sq. mm.)	Approx. Cable Diameter (mm)	Current carrying capacity according to method of installation			Max. Conductor Resistance at 20°C, (Ω/Km)
		Single cable Free in air (A)	Single cable on a surface (A)	Two loaded cables Touching, on a surface (A)	
1.5	4.7	30	29	24	13.7
2.5	5.1	41	39	33	8.21
4	5.6	55	52	44	5.09
6	6.1	70	67	57	3.39
10	7.1	98	93	79	1.95
16	8.3	132	125	107	1.24
25	10.1	176	167	142	0.795
35	11.5	218	207	176	0.565
50	13.3	276	262	221	0.393
70	15.2	347	330	278	0.277
95	16.9	416	395	333	0.210
120	18.7	488	464	390	0.164
150	20.9	566	538	453	0.132
185	23.2	644	612	515	0.108
240	26.1	755	736	620	0.0817

DC SOLAR CABLE



Addison
The Safe Connection
ELECTRIC WIRES & CABLES



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

R & B
APPROVED