

SOLAR PHOTOVOLTAIC DC CABLES



Application

Solar photovoltaic DC cable are used for transmitting electrical power generating from the solar panel to the charging units, battery banks, change over system, inverters etc. These cables have to function effectively while remaining exposed to a wide range of service environmental condition.

Description

Annealed Tinned Copper Conductor, XLPE Insulated, UV Resistant PVC Sheathed Cable (1.5 kv).

Dimensions

Solar DC Cables from PV Module to Array Junction Box (as per IS 7098 Part I guidelines)				
Single Core Size in sq. mm	Max. Conductor Diameter	XLPE Insulation Thickness-Nominal in mm	UV-PVC-ST2 Sheathing Thickness-Nominal in mm	Overall Dia. Nominal in mm
1.5	0.26	0.7	0.9	5.0 +/-0.5
2.5	0.26	0.7	0.9	5.5 +/-0.5
4	0.31	0.7	0.9	6.0 +/-0.5
6	0.31	0.7	0.9	6.5 +/-0.5
Solar DC Cables from Array Junction Box to Main Junction Box & MJB to Inverter (as per IS 7098 Part I guidelines)				
10	0.41	0.7	0.9	7.5 +/-0.5
16	0.41	0.7	0.9	8.5 +/-0.5
25	0.41	0.9	1.0	10.5 +/-0.7
35	0.41	0.9	1.1	12.0 +/-0.7
50	0.41	1.0	1.2	14.0 +/-0.7
70	0.51	1.1	1.3	16.0 +/-1.0
95	0.51	1.1	1.5	18.5 +/-1.0
120	0.51	1.2	1.6	20.0 +/-1.0
150	0.51	1.4	1.7	22.5 +/-1.0
185	0.51	1.6	1.9	25.0 +/-1.0
240	0.51	1.7	2.1	28.0 +/-1.0

