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Solar Cable



DC Cable Catalogue 2021

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Solar Cables

Devang Solaar Cables are a step towards creation of environment friendly cables for harnessing electricity through solar-power. robust, rugged and more versatile than ever before.

Product Features

- ✓ Conductor: Flexible Electrolytic Tinned fine copper strands
- ✓ Type of Insulation & Sheath: Cross linked FR-LSZH
- ✓ Sheath & Insulation Color: Black or Red Insulation with Black Sheath as per norms
- ✓ Resistant to Fire and Halogen free
- ✓ UV& Ozone resistant, Chemical and Oil resistant
- ✓ Works at large temperature range
- ✓ High mechanical strength in extreme weather conditions
- ✓ Tested to fast for several years

Dimensions & Current Carrying Capacity of Solar DC Cables from PV Module to Array Junction Box as per TUV specifications EN 50618:2014

Single Core Size (Sq mm)	Wire Diameter Max. (mm)	XL-LOSH Insulation Thickness Nominal (mm)	XL-LOSH Sheath Thickness Nominal (mm)	Overall Diameter Nominal (mm)	Conductor Resistance Max. (Tinned Copper Ohm/km)	Current Carrying Capacity of DC Solar Cable with XL- LOSH Insulation & XL -LOSH Sheathing at 60 Deg. C		
						Single Cable in Air on Surface (Amp)	Single On (Amp)	Two adjacent Cable on Surface (Amp.)
1.5	0.26	0.7	0.8	5.0	13.7	30	29	24
2.5	0.26	0.7	0.8	5.0	8.2	40	39	33
4.0	0.31	0.7	0.8	6.0	5.0	50	52	44
6.0	0.31	0.7	0.8	6.5	3.3	70	67	57
10.0	0.41	0.7	0.8	7.5	1.95	98	93	79
16.0	0.41	0.7	0.9	8.5	1.24	132	125	107

Application

Solar cable for Solar power plant, Solar street lighting, Solar Home Lighting, Off grid application, Battery Charging.

