

SOLAR CABLE



Application

CALTER' PV Cables is used for photovoltaic systems, This cable links photovoltaic panels and inverters.

It is used for fixed installations outdoors & indoors, and equipment with high mechanical requirements and extreme weather conditions.

Construction

Conductor : Electrolytic Flexible Tinned Copper Class - 5 according to IEC 60228

Insulation : special polyolefin Elastomer-Cross Linked, Halogen Free

Sheath : special polyolefin Elastomer-Cross Linked, Halogen Free (Red/Black)

Technical Data

- Halogen free : IEC 60754-1
- Rated Voltage U_0/U (Um) : 0,6 / 1 kV
- Operating Temperature range : -40 C to +90 C
- Max. Conductor temperature in service : 120 C
- Short-circuit max. conductor temperature : 250 C
- Gases Corrosivity : IEC 60754-2
- Smoke density : IEC 61034-2
- Weather resistance : Excellent
- UV Resistant : Yes
- Flame retardent : IEC 60332 - 1

Nominal Cross Sectional Area	No of Strands	Diameter of Strand	Resistance at 20°C	Nominal insulation thickness	Nominal Sheath thickness	Nominal Overall Diameter	Current Carrying Capacity A
SQ MM		mm	ohms/km	mm	mm	mm	
1.50	30	0.25	13.70	1.14	0.82	5.40	30
2.50	50	0.25	8.21	1.14	0.82	5.80	41
4.00	56	0.30	5.09	1.14	0.82	6.40	55
6.00	84	0.30	3.39	1.14	0.82	7.00	70
10.0	80	0.40	1.95	1.52	0.82	8.60	98
16.0	126	0.40	1.24	1.52	0.82	9.80	132
25.0	196	0.40	0.795	1.52	0.82	11.10	176
35.0	276	0.40	0.565	1.52	0.82	12.30	218