

## PHOTOVOLTAIC SOLAR (PV) CABLE

<b>Application</b>	: Photovoltaic solar cables are designed for the interconnection of various elements in photovoltaic systems, including pannel interconnection, between panels and string boxes or from string boxes to the inverter. Suitable for fixed installations, internal and external, within conduit or systems.
<b>Standards</b>	: IEC 62930
<b>Conductor</b>	: Flexible (Class5) annealed tinned copper conductors to IEC 60228
<b>Insulation</b>	: Cross-linked halogen free material as per IEC 62930
<b>Sheath</b>	: Cross-linked halogen free material as per IEC 62930
<b>Voltage Rating</b>	: 1500V (d.c.) & 1.0/1.0 kV (a.c.)
<b>Minimum Conductor</b>	: -40°C
<b>Operating Temperature</b>	
<b>Maximum Continous</b>	: 90°C
<b>Conductor Operating</b>	
<b>Temperature</b>	
<b>Short Circuit Temperature</b>	: 250°C
<b>Flame Retardant</b>	: IEC 60332-1-2



### Cross-linked halogen free Insulated & Cross-linked halogen free Sheathed Single Core Cables, Rated voltage 1500V (d.c.) & 1.0/1.0 kV (a.c.)

Catalogue Number	Nominal Cross Section Area	Insulation Thickness	Outer Sheath Thickness	Approx. Overall Diameter	Minimum insulation resistance at 20 °C	Minimum insulation resistance at 90 °C	Approx. Weight
	SQ.MM	MM	MM	MM	MΩ.km	MΩ.km	Kg/Km
NPV*TVVSC0015FIEC	1.5	0.7	0.8	4.6	1050	1.05	37
NPV*TVVSC0025FIEC	2.5	0.7	0.8	5.0	862	0.862	48
NPV*TVVSC0040FIEC	4	0.7	0.8	5.6	709	0.709	62
NPV*TVVSC0060FIEC	6	0.7	0.8	6.2	610	0.610	86
NPV*TVVSC0100FIEC	10	0.7	0.8	7.5	489	0.489	134
NPV*TVVSC0160FIEC	16	0.7	0.9	8.5	393	0.393	193
NPV*TVVSC0250FIEC	25	0.9	1.0	10.5	395	0.395	300
NPV*TVVSC0350FIEC	35	0.9	1.1	12.0	335	0.335	400
NPV*TVVSC0500FIEC	50	1.0	1.2	13.5	314	0.314	540
NPV*TVVSC0700FIEC	70	1.1	1.2	15.5	291	0.291	765
NPV*TVVSC0950FIEC	95	1.1	1.3	17.5	258	0.258	1025
NPV*TVVSC0120FIEC	120	1.2	1.3	19.5	249	0.249	1275
NPV*TVVSC0150FIEC	150	1.4	1.4	21.5	260	0.260	1515
NPV*TVVSC0185FIEC	185	1.6	1.6	24.5	268	0.268	1965
NPV*TVVSC0240FIEC	240	1.7	1.7	27.5	249	0.249	2535
NPV*TVVSC0300FIEC	300	1.8	1.8	30.0	237	0.237	3080
NPV*TVVSC0400FIEC	400	2.0	2.0	33.5	230	0.230	3850

**Notes:** N(\*) Add core/sheath colour

Cables can be supplied in Coil/Reel/Drum with meters/yards/feet.

The above data are indicative & may be changed without prior information.