

Photovoltaic (PV) Solar Cable

600/1000 V



Applications :

Solar cable intended for the interconnection within photovoltaic systems such as solar panel arrays. Suitable for fixed installations, internal and external, within conduit or systems. Our solar cable is ozone-resistant, UV resistant and is tested for durability. The cable is designed for installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment.

Applicable Standards:

TechLine/Amwaj PV solar cable are designed and tested according to the requirements of IEC60502-1. Acid gas emission to IEC60754, smoke emission to IEC 61034 and flame propagation to IEC 60332-1, 2 standards.

Specification:

Conductor

Flexible plain annealed copper conductor class 5 according to IEC 60228.

Insulation

Thermosetting low smoke zero halogen compound type EI5 acc. to EN 50363-5.

Colors:

Standard colors are available in natural and other color is upon request.

Sheathing:

Thermosetting low smoke zero halogen compound type EI5 acc. to EN 50363-5.

Colors:

Standard colors are available in Black and other color is upon request.

Flame retardancy:

TechLine/Amwaj Stranded LSOH wires have been tested and approved with the flame performance standards according to BS EN 50265 (IEC 60332).

Packing:

Available in standard length of 100 yards on coil (Other lengths available on request)

Marking

TechLine/Amwaj 6 mm2 CU/LSOH/LSOH 600/1000 V 90C

Technical Data:

Size	Max. Wire Diam.	Max. DC conductor Resistance.	Insulation Thickness	Nominal Outer Diameter	Approx.Net Weight	Current Carry Capacity at 30C ambient temperature		Ordering Information
(MM2)	(MM)	(ohm/km at 20C °c)	(MM)	(MM)	(Kg/km)	Ampere (Air)	Ampere (Conduit)	Item Code
1.5	0.26	13.3	0.7	2.95	20.3	25	21	PV-ZZ-01.5-600V
2.5	0.26	7.98	0.8	3.6	31.4	33	29	PV-ZZ-02.5-600V
4	0.31	4.95	0.8	4.15	46.6	43	38	PV-ZZ-04.0-600V
6	0.31	3.3	0.8	4.7	65.6	55	49	PV-ZZ-06.0-600V
10	0.41	1.91	1	6.12	113	74	67	PV-ZZ-10.0-600V
								PV-ZZ-16.0-600V
								PV-ZZ-25.0-600V
								PV-ZZ-35.0-600V
								PV-ZZ-50.0-600V
								PV-ZZ-70.0-600V