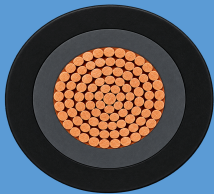


SOLAR PV CABLE



SOLAR PV CABLE | DC 1500 V

APPLICATION	ADVANTAGES	
Suitable for DC-side connections in solar PV power generation systems rated at DC 1500 V, including fixed connections between PV modules, strings, combiner boxes, and inverters. Designed for outdoor PV applications and continuous operation from -40°C to +125°C, meeting the requirements for low-temperature resistance, UV resistance, and long-term reliability.	■ Suitable for DC 1500 V PV systems	■ Irradiation-cross-linked insulation & sheath
	■ UV & low-temperature resistant	■ Halogen-free & flame-retardant
	■ Flexible tinned copper conductor	■ 25-year expected service life
	Key Performance: Wide Temperature Range · LSZH · Weather Resistance · Flexible Conductor	

CABLE CONSTRUCTION		TECHNICAL CHARACTERISTICS		ELECTRICAL CHARACTERISTICS	
Conductor	Tinned copper, IEC 60228 Class 5	Operating Temp.	-40°C to +125°C	Rated Voltage	DC 1500 V
Insulation	LSZH irradiation-cross-linked polyolefin insulation (XLPO)	Short-Circuit Temp.	250°C for 5s	Max. Permissible Voltage	DC 1800 V
Sheath	LSZH irradiation-cross-linked polyolefin sheath (XLPO)	Flame Retardancy	Complies with EN 60332-1-2	Insulation Resistance	1000 MΩ/km
Sheath Color	Black or Red	Service Life	25 years	AC Withstand Test	AC 6.5 kV, 50 Hz, 5 min

DIMENSIONS					
Size n × mm ²	Conductor Dia. mm	Overall Dia. mm	Current-Carrying Capacity at 60°C [A]	Conductor Resistance at 20°C Ω/km	Weight kg/km
1×1.5	1.5	4.5	22	13.7	34
1×2.5	2.0	5.0	33	8.21	45
1×4.0	2.4	5.4	43	5.09	59
1×6.0	2.9	5.9	55	3.39	78
1×10.0	4.5	7.5	75	1.95	125
1×16.0	5.8	9	97	1.24	186
1×25.0	7.1	10.9	125	0.795	286
1×35.0	8.6	13.2	158	0.565	394
1×50.0	10.6	15.4	190	0.393	547
1×70.0	12.7	17.7	239	0.277	749
1×95.0	14	19.4	300	0.21	1031
1×120.0	15.5	21.1	348	0.164	1244



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