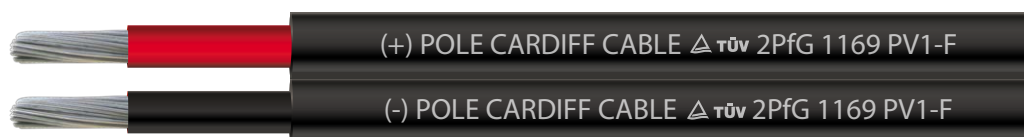




TÜV PV1-F Fig8 511

Acc. to TÜV 2PFG 1169 certification.



SOLAR CABLES

Construction

Conductor:	Fine strands of tinned copper, acc. to IEC 60228 cl.5
Insulation:	XLPO
Insulation colour:	Red (+) & Black (-)
Outer sheath:	XLPO
Sheath colour:	Black, RAL 9005

Technical data

Rated voltage :	1000V AC, 1500V DC
Test voltage :	6500V
Ambient Temp.:	-40°C to +90°C (Max. Temp. at conductor: 120°C)
Bending radius :	D < 8mm: 4x cable diameter D ≥ 8mm: 6x cable diameter
Weathering & UV-resistance:	HD 605/A1
Cold bending test :	EN 60811-1-4
Burning behavior :	IEC 60332-1-2
O-zone resistance :	EN 50396
Resistance against & Alkaline solution:	EN 60811-2-1

Part No.	Cores No. + area (mm ²)	Conductor structure (core/mm)	Conductor Diameter (mm)	Approx. Diameter (mm)	Max conductor DC resistance (20°C; Ω /KM)	Approx. Weight (kg/km)	Reference current (60°C; A)
511 00150 011	1.5	30/0.25	1.58	3.8X7.8	13.700	53.45	30
511 00250 011	2.5	47/0.25	1.98	4.2X8.6	8.210	72.80	41
511 00400 011	4.0	52/0.30	2.50	4.6X9.4	5.090	99.84	55
511 00600 011	6.0	78/0.30	3.06	5.3X10.8	3.390	140.98	70
511 01000 011	10	80/0.40	4.56	7.0X14.2	1.950	271.24	98
511 01600 011	16	128/0.40	5.60	10.0X20.4	1.240	469.75	132
511 02500 011	25	192/0.40	6.95	11.8X24.0	0.795	660.20	176
511 03500 011	35	276/0.40	8.74	13.2X26.8	0.565	897.60	218
511 05000 011	50	396/0.40	9.61	14.8X30.0	0.393	1240.41	276