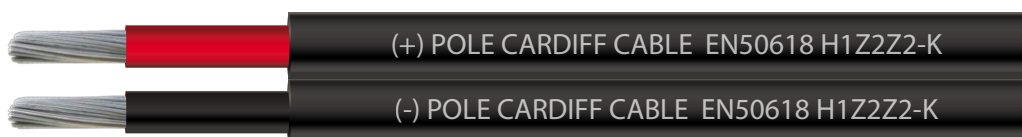




EN H1Z2Z2-K Fig8 311

Acc. to EN 50618 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:	EN 50289-4-17
Cold bending test:	EN 60811-504
Burning behavior:	EN 60332-1-2
Smoke density:	EN 61034-2
O-zone resistance:	EN 60811-403
Resistance against & Alkaline solution:	EN 60811-404

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)
311 00150 011	1.5	30/0.25	1.58	4.8X9.8	13.700	69.95	30
311 00250 011	2.5	47/0.25	1.98	5.2X10.6	8.210	91.04	41
311 00400 011	4.0	52/0.30	2.50	5.7X11.6	5.090	120.80	55
311 00600 011	6.0	78/0.30	3.06	6.3X12.8	3.390	164.99	70
311 01000 011	10	80/0.40	4.56	7.9X16.0	1.950	283.81	98
311 01600 011	16	128/0.40	5.60	9.2X18.8	1.240	430.96	132
311 02500 011	25	192/0.40	6.95	11.2X22.8	0.795	642.20	176
311 03500 011	35	276/0.40	8.74	13.0X26.4	0.565	886.47	218