

EN H1Z2Z2-K 111

Acc. to EN 50618 certification.



SOLAR CABLES

CARDIFF CABLE EN50618 H1Z2Z2-K

Construction

Conductor:	Fine strands of tinned copper, acc. to IEC 60228 cl.5
Insulation:	XLPO
Insulation colour:	Black or Red
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)
111 00150 ***	1.5	30/0.25	1.58	4.6	13.700	34.98	30
111 00250 ***	2.5	47/0.25	1.98	5.0	8.210	45.52	41
111 00400 ***	4.0	52/0.30	2.50	5.5	5.090	60.40	55
111 00600 ***	6.0	78/0.30	3.06	6.1	3.390	82.50	70
111 01000 ***	10	80/0.40	4.56	7.7	1.950	141.91	98
111 01600 ***	16	128/0.40	5.60	9.0	1.240	215.48	132
111 02500 ***	25	192/0.40	6.95	11.2	0.795	321.10	176
111 03500 ***	35	276/0.40	8.74	13.0	0.565	443.24	218

Remarks:

*** Represent the core colour.
000 Red , 001 Black