

TÜV PV1-F 411

Acc. to TÜV 2Pfg 1169 certification.



SOLAR CABLES

CARDIFF CABLE  2Pfg 1169 PV1-F

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:	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)
411 00150 ***	1.5	30/0.25	1.58	3.8	13.700	26.72	30
411 00250 ***	2.5	47/0.25	1.98	4.2	8.210	36.40	41
411 00400 ***	4.0	52/0.30	2.50	4.6	5.090	49.92	55
411 00600 ***	6.0	78/0.30	3.06	5.3	3.390	71.65	70
411 01000 ***	10	80/0.40	4.56	7.0	1.950	135.62	98
411 01600 ***	16	128/0.40	5.60	10.0	1.240	234.87	132
411 02500 ***	25	192/0.40	6.95	11.8	0.795	330.10	176
411 03500 ***	35	276/0.40	8.74	13.2	0.565	448.80	218
411 05000 ***	50	396/0.40	9.61	14.8	0.393	620.20	276

Remarks:

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