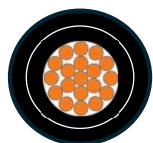


CARDIFF Solar Cable H1Z2Z2-K Cca CONIX®



CARDIFF CABLE EN50618 H1Z2Z2-K Cca CONIX®

APPLICATION

CONIX® Solar cable is used as photovoltaic cable between solar modules and for the interconnection within photovoltaic systems such as solar panel arrays.

OUTSTANDING FEATURES

- Type H1Z2Z2-K certified according to EN 50618
- High fire protection
- Low flame spread and low smoke production
- High durability, long service life span
- High temperature resistant, good cold flexibility
- Halogen free and Flame retardant
- UV, ozone and hydrolysis resistant
- Electron-beam cross-linked compounds

CHARACTERISTICS

Nominal Voltage Rating

AC: 1000V

DC: 1500V

Test voltage

6500V

Ambient temperature: -40°C to +90°C

(Max. Temp. at conductor: 120°C)

Minimum Bending Radius

D<8mm; 4x cable diameter

D≥8mm; 6x cable diameter

CONSTRUCTION

Conductor:

Fine strands of tinned copper, acc. to IEC 60228 class 5

Insulation: XLPO

Insulation color: Black or Red

Jacket materials: XLPO

Jacket color: Black, RAL 9005

TESTS

- **Weathering & UV resistance:** IEC 50298-4-17
- **Cold bending Test:** IEC 60811-504
- **Smoke density:** IEC 61034-2
- **O-zone resistance:** IEC 60811-403

- **Resistance against & Alkaline solutions:** EN60811-404

Fire performance

Flame-retardant according to IEC 60332-3.

Reaction to fire CPR: Cca-s1a, d0, a1 according to EN50575

Part no.	No. cores x cross-sec. 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)
11200150**	1.5	28/0.25	1.53	4.5	13.700	33.30	30
11200250**	2.5	47/0.25	1.98	5.0	8.210	45.30	41
11200400**	4.0	56/0.28	2.40	5.4	5.090	58.20	55
11200600**	6.0	84/0.28	2.94	6.0	3.390	78.10	70
11201000**	10	77/0.39	3.95	7.1	1.950	126.10	98
11201600**	16	120/0.40	5.50	8.9	1.240	205.40	132
11202500**	25	190/0.40	6.90	10.9	0.795	317.80	176
12103500**	35	265/0.40	8.20	12.4	0.565	430.10	218

**represent the core color

RD: Red BK: Black