

## H1Z2Z2-K 1x185 CL-5 RM 1kV(AC)/1.5kV(DC), Outersheath Color: Black 9011

### Description

Solar cable H1Z2Z2-K is TUV certified, with max. permissible tension DC 1.8 kV, is used in solar energy production applications. It is usually installed outdoor, in the air, on cable trays, ducts or direct burried. With UV resistant outersheath the cable can be posed in direct sunlight, but it is recommended to be protected in order to ensure a service life of 25 years or longer. The cable reation to fire has been tested according to CPR regulation and has received the category Cca-s2,d2,a1. Also, the cable has water resitance for permanent immersion AD8 as per NF C15-100.

### Standards

EN 50618  
IEC 60332-1-2  
IEC 61034-2  
IEC 60228  
EN 50525-1  
EN 50339  
EN50575  
EN 50618

### Construction

**Conductor:** Tinned fine copper strands Class 5  
**Insulation:** Cross-linked Halogen Free compound  
**Sheath:** Cross-linked Halogen Free compound

**Specifications**

Cable Type	Single Core
Cable Overall Diameter	26.8 mm
Cable Weight	1872 kg/km
Diameter & Weight Tolerance	±5%
Conductor Material	Copper
Number of Conductors	1
Conductor Cross-Section	185 mm <sup>2</sup>
Conductor Weight	1499.8 kg/km
Conductor Class	CL-5
Conductor Type	RM
Insulation Material	XLPE
Outersheath Material	XLPE
AC/DC Rated Voltage (U <sub>o</sub> /U)	1kV(AC)/1.5kV(DC)
Conductor DC Resistance @ 20°C	0.108 Ω/km
Current Carrying Capacity (Air Installation with ambient temperature 60°C)	644 A
Max. Permissible Operating Temperature	90 °C
Working Temperature	-40 >< +90 °C
Short Circuit Temperature	250 °C
Minimum Bending Radius (Installing)	5xD
Minimum Bending Radius (Operating)	5xD
Packing	Wooden Drum, Plywood Drum, Coil, Rolls
Delivery Lengths	To be confirmed by offer
Delivery Length Tolerance	±5%

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