

H1Z2Z2-K 1x50 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	14.4 mm
Cable Weight	552 kg/km
Diameter & Weight Tolerance	±5%
Conductor Material	Copper
Number of Conductors	1
Conductor Cross-Section	50 mm ²
Conductor Weight	415.2 kg/km
Conductor Class	CL-5
Conductor Type	RM
Insulation Material	XLPE
Outersheath Material	XLPE
AC/DC Rated Voltage (U _o /U)	1kV(AC)/1.5kV(DC)
Conductor DC Resistance @ 20°C	0.393 Ω/km
Current Carrying Capacity (Air Installation with ambient temperature 60°C)	276 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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