

Solar Cable 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

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| 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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