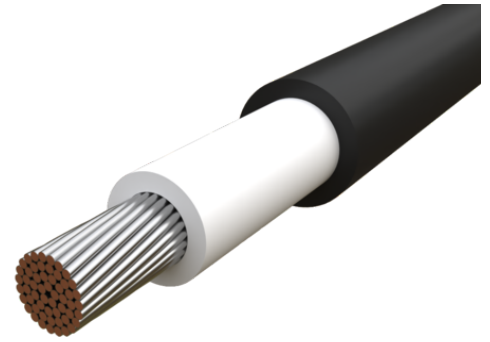


|                     |                                       |
|---------------------|---------------------------------------|
| <b>Product name</b> | DC Solar cable H1Z2Z2-K 1x4 black Dca |
| <b>Product code</b> | 0516215                               |
| <b>Product type</b> | H1Z2Z2-K                              |
| <b>GTIN</b>         | 7332811382956                         |
| <b>ETIM-Class</b>   |                                       |



## Measurements

|               |          |
|---------------|----------|
| <b>Length</b> | 1 000 mm |
| <b>Height</b> | 6 mm     |
| <b>Width</b>  | 6 mm     |
| <b>Weight</b> | 0,057 g  |

## Mechanical & environmental characteristics - Solar Cable

|   |                                  |
|---|----------------------------------|
| <b>Max.conductor temperature at rated current</b>                           | 90 °C                            |
| <b>Short circuit Temperature</b>  | 250 for 5 sek °C                 |
| <b>Min.conductor temperature at rated current</b>                           | -40 °C                           |
| <b>Operating Temperature</b>  | - 40 to +120 °C                  |
| <b>Halogen free according to EN IEC 60754-1</b>                             | Yes                              |
| <b>UV Resistance</b>  | Yes                              |
| <b>Ozone Resistance on complete cable</b>                                   | Method A (AS PER EN : 60811-403) |
| <b>Reaction-to-fire according to EN 13501-6: Class</b>                      | Dca                              |
| <b>Reaction-to-fire according to EN 13501-6: Smoke production</b>           | s2                               |
| <b>Reaction-to-fire according to EN 13501-6: Flaming droplets/particles</b> | d2                               |
| <b>Reaction-to-fire according to EN 13501-6: Acidity</b>                    | a1                               |
| <b>Thermal Endurance Test</b>   | AS PER EN : 60216                |
| <b>Dynamic Penetration Test</b>   | AS PER EN-50618/2014             |
| <b>Low smoke according to EN IEC 61034-2</b>                                | Yes                              |
| <b>Water Resistance(Long Term Resistance of Insulation to DC)</b>           | Yes                              |
| <b>Flame retardant according to IEC 60332-1-2</b>                           | Yes                              |

|  |       |
|--|-------|
| Min. permitted bending radius, stationary application/permanent installation | 28 mm |
| Current Rating_In Air (upto 60°C)  | 55 A  |
| Current Rating_Single cable on surface                                       | 52 A  |
| Current Rating_Two cables adjacent on surface                                | 44 A  |
| Quantity in package  | 500 m |
| ORDER QUANTITY TOLERANCE   | 5 %   |

## Physical characteristics - Solar Cable

|                                      |                    |
|--------------------------------------|--------------------|
| TYPE of cable                        | H1Z2Z2-K           |
| Cable geometry                       | Round              |
| VOLTAGE GRADE (AC)                   | 1 kV               |
| VOLTAGE GRADE (DC Nom)               | 1,5 kV             |
| VOLTAGE GRADE (DC Max)               | 1,8 kV             |
| Conductor material                   | Copper             |
| Conductor surface                    | Tinned             |
| Nominal cross section conductor      | 4 mm <sup>2</sup>  |
| Conductor category                   | Class 5 = flexible |
| Number of strands per conductor      | 56                 |
| Strand diameter                      | 0,31 mm            |
| CONDUCTOR_ Approx.Conductor Diameter | 2,45 mm            |
| Conductor resistance at 20 °C        | 5,09 Ω/km          |
| Material core insulation             | Polyolefin         |
| INSULATION_ Nom. Thickness           | 0,7 mm             |
| INSULATION_ Colour of Insulation     | White              |
| Material outer sheath                | Polyolefin         |
| OUTER SHEATH_ Nom. Thickness         | 0,8 mm             |
| Colour outer sheath                  | Black              |
| Outer diameter approx.               | 5,6 mm             |
| Weight                               | 57 kg/km           |