Data sheet/FDV

Product name	DC Solar cable H1Z2Z2-K 1×6 black D500 Dca
Product code	0516235
Product type	H1Z2Z2-K
GTIN	7332811382970
ETIM-Class	EC003250

Measurements

Length	1 000 mm
Height	6 mm
Width	6 mm
Weight	0,075 g

Mechanical & environmental characteristics - Solar Cable

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

M E L B Y E

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Min. permitted bending radius, stationary application/permanent installation	30,5 mm
Current Rating_In Air (upto 60°C)	70 A
Current Rating_Single cable on surface	67 A
Current Rating_Two cables adjecent on surface	57 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	6 mm²
Conductor category	Class 5 = flexible
Number of strands per conductor	84
Strand diameter	0,31 mm
CONDUCTOR_ Approx.Conductor Diameter	2,98 mm
Conductor resistance at 20 °C	3,39 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.	6,1 mm
Weight	75 kg/km

Sustainability

Estimated Product Lifetime	< 30 years