



Product Technical Data Sheet

Doküman No :
R14K.0046_0

Sayfa No : 1 / 2

DURAS KABLO H1Z2Z2-K Solar Cables

EN 50618, IEC 62930

Suitable for internal and external installations within unprotected pipes, or in similar closed systems. Designed for ease of connection of various photovoltaic system elements such as solar panels



Construction	
Conductor	Flexible tinned copper conductors, Class 5, EN/IEC 60228
Insulation	Cross-linked compound, according to EN 50618, IEC 62930
Sheath	Cross-linked compound, according to EN 50618, IEC 62930 Colour RAL 9005 Black, RAL 3000 Red

Certificates and Regulations		
TUV NORD VERIFIED TO		EN 50618 & 62930 IEC 131
2015/863/EU	RoHS	Restriction of Hazardous Substances
2014/35/EU	LVD	Low Voltage Directive

General Properties	
Field of application	Outdoor and indoor
Ambient temperature	-40 °C+90 °C
Bending radius	5 x D
Weathering/UV resistance	acc. to EN 50289-4-17, method A, for 720 h
Ozone resistance	acc. to EN 50396

Flame Properties	
Flame retardancy	EN 60332-1
Corrosive gas	EN 60754-1/2
Smoke density	EN 61034-2

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Electrical Properties	
Conductor resistance	at 20 °C according to EN/IEC 60228, class 5
Insulation resistance	according to EN 50618 and IEC 62930, Table 1
Operating voltage	1,0/ 1,0 kV A.C. - 1,5 / 1,5 kV D.C.
Test voltage	6,5 kV A.C. or 15kV D.C.

Product Number	Cross-section	Overall Diameter of Cable (Apprx.)	Net Weight (Apprx.)	Current carrying capacity according to method of installation		
				Single cable free in air	Single cable on a surface	Two loaded cables touching, on a surface
-	4	5,5	61	55	52	44
-	6	6,1	82	70	67	57
-	10	7,0	124	98	93	79
-	16	8,2	184	132	125	107
-	25	10,2	286	176	167	142
-	35	11,5	386	218	207	176
-	50	13,5	544	276	262	221