H1Z2Z2-K
certified according to EN 50618 with certificate №1230245 from EZU

Application

Low smoke halogen-free, flexible, single-core power cable with cross-linkedinsulation and sheath.They are use at DC side of photovoltaic system, with a normal DC voltage of 1,5kV between conductors and between conductor and earth.
The expected period of use under normal usage conditions as specified in EN 50618 is at least 25 years.
Cable is suitable to use with Class II equipment.

Structure & Specifications

Conductor material	tinned copper strand
Conductor stranding	class 5 acc. EN/IEC 60228
Core insulation	cross-linked compund type acc. to EN 50618, certified color: white
Outher sheath	cross-linked compund type acc. to EN 50618, certified color: black or red
Nominal voltage	1,0/1,0kV(AC) 1,5/1,5kV(DC)
Test voltage	6,5kV (AC)
Max. permited DC voltage	1,8kV(acc. to EN 50618)
Current carryng capacity -short circuit temperature	acc. to En 50618 max.: 250°C for period of 5s
Minimum bending radius	5 x cable diameter layng: fixed
Ambient work temperature	-40°C up to +90°C acc. to EN 50618
Storage **Installation and handling**	max: +40^0 C min: -25^0 C
Flame retardant	EN/IEC 60332-1-2; class Eca
Hallogen free	acc. to EN/IEC 60754-1; EN/IEC 60754-2
Smoke density	acc. to EN/IEC 61034
EU directives and regulation	The cable complies with the 2014/35/EU(LVD) and 2011/65/EU(RoHS)

Cross-section, mm^2	Outer diameter approx., mm	Insulation color	Cable weight kg/km	Sheating color	Electrical wire resistance Ω/km
4	5.5	white	62	black or red	5,09
6	6.0	white	82	black or red	3,39
10	7.6	white	127	black or red	1,95