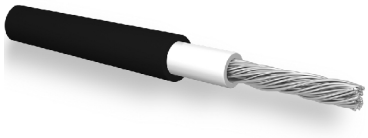
H1Z2Z2-K SOLAR CABLE



HALOGEN FREE CABLE FOR USE IN PHOTOVOLTAIC-SYSTEMS

ACCORDING TO CPR: CLASS Eca

Cables for general applications in construction works subject to fire resistance requirements. Provided by EN 50575: 2014 + A1. Declaration of performance: DOP 00009.

HALOGEN FREE CABLE, SUITABLE FOR:

Interconnection of solar panels and other components of photovoltaic systems.

TECHNICAL FEATURE

Rated Voltage	Max operating temperature	Min temperature of installation	Max stocking temperature	Max temperature of short circuit	Min internal bending radius	Max mechanical stress
1/1 KV	90°C	-25°C	40°C	250°C	6xD	5 Kg/mm²

CONSTRUCTION FEATURES

Conductors: Flexible cord in annealed tinned copper, class 5 (EN 60228, IEC 60228).

Insulation: Special crosslinked compound LSOH (Halogen free)

Sheath: Special crosslinked red or black compound LSOH (Halogen free)

IdentiFication Colours: Cores identification: white or black.

MARKING: Ink Jet

PECSO MN H1Z2Z2-K (SECTION) TUV RHEINLAND R 60114696 0001 CE ECOPECSO LINE Eca (METER MARKING)

FEATURES: Short circuit temperature is 250°C referred to a period of 5s

GUIDE TO USE

Max rated voltage AC Uo/U 1/1 KV; DC 1,8 Kv (conductor-conductor, non earthed system, circuit not under load)
Period of use: 25 years in standard conditions.
Temperature index: 120°C based on CEI EN 60216-1 (20.000 hours)
Suitable for fixed laying outdoors and indoors, unprotective pipes within sight or cashed out, or similar closed system.
Cable not suitable for direct burial even in ducting buried underground.

Standards: EN 50618
ROHS 2011/65/UE
EN 60811-501
EN 60811-403

CPR Not.Body: 2479 - DoP 00009 - Class: Eca

DIMENSIONAL FEATURES AND ELETTRICAL PROPERTY

n° x mm²	number and nominal cross-sectional area of conductors	Ø Max diameter (mm)	CONDUCTOR Ø diameter max. of wires (mm)	CONDUCTOR max resistance res. el. (ohm/km) redcu	INSULATION thikness (mm)	SHEATH thikness (mm)	WEIGHT Indicative weight of cable (g/m)
	1x4	6.6	0.31	4.9500	0.70	0,80	60,00
						ARTICLE CODE	LHZ201040
	1x6	7.4	0.31	3.3000	0.70	0,80	81,00
						ARTICLE CODE	LHZ201060
	1x10	8.8	0.41	1.9100	0.70	0,80	125,00
						ARTICLE CODE	LHZ201100