

SOLAR CABLE H1Z2Z2-K CEI EN 50618 IMQ

Cables for applications in photovoltaic systems, with elastomeric insulation and sheath, flame retardant, halogen-free and UV resistant.



Legend

1. Conductor
2. Insulation
3. Assembling:
4. Sheath



CPR CLASSIFICATIONS
Eca



IMQ CLASSIFICATIONS



View the product
on the website

DETAILS

Key features

Suitable for permanent use outdoors or indoors, for mobile free installation, free hanging and fixed. Installation also in conduits and ducts on, inside or under plaster as well as in equipment.

Application

Intended use in photovoltaic installations and, in accordance with HD 60364-7-712. Suitable for application on devices with protective insulation (protection class II). They are inherently short-circuit proof and earth leakage pursuant to HD 60364-5-52. Installations not provided by upper and lower classes where there is no risk of fire or danger to people and / or people things (Low risk installed individually).

TECHNICAL SPECIFICATIONS

Features	Values	Rules
Conductors:	annealed tinned copper cl.5	CEI EN 60228 (Table 9)
Insulation:	crosslinked non-toxic elastomer Z2 quality	CEI EN 50618
Assembling:	H Type	
Sheath:	crosslinked non-toxic elastomer Z2 quality	CEI EN 50618
Sheath colour:	black RAL 9005 - Red RAL 3013	
Flame retardant:		CEI EN 60332-1-2
Halogens free:	(<0,5 mg/g - 0,5%)	CEI EN 50267-2-1/2 - IEC 60754-1/2
Low smoke emission:	(trasmissione >60%)	CEI EN 61034-2
UV resistant:		CEI EN 50618
Ozone resistant:		CEI EN 60811-403
Long-term behavior:	(20000 h a 120°C)	CEI EN 60216
Expected life:	25 years	
DC resistance:	according to	CEI EN 60228 (Table 9)
Current capacity :		CEI EN 50618
Rated voltage Uo/U:	1/1 kVac - 1,5/1,5 kVcc	
Max voltage:	1,2 kVac - 1,8 kVcc	
Testing voltage:	6,5 kVac - 15 kVcc	
Max working temperature:	90 °C	
Min working temperature:	-40 °C	
Short-circuit temperature :	250 °C	
Min. installation temperature :	-25 °C	
Bending radius :	Ø x 6	

UE REGULATION 305/2011

Features	Values	Rules
SYSTEM AVCP	3	EN 50575:2014 + A1:2016
Classification	Eca	UNI EN 13501-6
Eca	Flame propagation (H ≤ 425 mm)	EN 60332-1-2
Printing :	BERICA CAVI S.P.A. ITALY SOLAR CABLE H1Z2Z2-K Eca CE Type IEMMEQU Year/Lot - 00000m	

VARIANTS

TYPE N° x mm²	Ø MEDIUM EXTERIOR mm	MEDIUM WEIGHT kg/km	CODE	TYPE N° x mm²	Ø MEDIUM EXTERIOR mm	MEDIUM WEIGHT kg/km	CODE
1x4	5.6	56.7	B88E01400	1x35	12	382.1	B88E013500
1x6	6.2	78.3	B88E01600	1x50	14.3	555.2	B88E015000
1x10	7.2	123.6	B88E011000	1x70	16	713.8	B88E017000
1x16	8.7	179.2	B88E011600	1x95	18.1	1008.4	B88E019500
1x25	11	280.2	B88E012500	1x120	20.7	1257.6	B88E0112000

(*) Add: N for black; R for red

L'azienda si riserva la facoltà di modificare/adeguare senza preavviso le informazioni tecniche e dimensionali dei prodotti inseriti nel sito.