

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

Eca

n. CA01.00508

1. Conductor
2. Insulation
3. Identification thread
4. Sheath



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**).

INSTALLATION: 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.

FEATURES	DESCRIPTION	STANDARDS
Conductors:	annealed tinned copper cl.5	CEI EN 60228 (Tab. 9)
Insulation:	non-toxic crosslinked elastomer Z2 quality	CEI EN 50618
Identification thread:	H type	
Shetah:	non-toxic crosslinked elastomer Z2 quality	CEI EN 50618
Shetah colour:	black RAL 9005 - red RAL 3013	
Flame retardant:		CEI EN 60332-1-2
Halogen free:	(< 0,5 mg/g - 0,5%)	CEI EN 50267-2-1/2 - IEC 60754-1/2
Low smoke emission:	(trasmittance > 60%)	CEI EN 61034-2
UV resistant:		CEI EN 50618
Ozone resistant:		CEI EN 60811-403
Long-term behavior:	(20000 h at 120 °C)	CEI EN 60216
Expected life:	25 years	
DC resistance:	according to	CEI EN 60228 (Tab. 9)
Current capacity:		CEI EN 50618
Rated voltage U _o /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	
REGULATION (UE) 305/2011		
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 Year/Lot Type IEMMEQU <HAR> metric	

TYPE Nr x mm ²	MEIDUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE	TYPE Nr x mm ²	MEIDUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
1x4	5,6	57	B88E01400(*)	1x35	12,0	382	B88E013500
1x6	6,2	78	B88E01600	1x50	14,3	555	B88E015000
1x10	7,2	124	B88E011000	1x70	16,0	714	B88E017000
1x16	8,7	179	B88E011600	1x95	18,1	1008	B88E019500
1x25	11,0	280	B88E012500	1x120	20,7	1258	B88E0112000