

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

1. Conductor
2. Insulation
3. Sheath



APPLICATION: Suitable for the interconnection of the components of PV systems are characterized by: optimum mechanical properties in a range of operating temperature - 40 to + 90 ° C, high abrasion resistance, tear, UV, ozone , water, flame propagation, low smoke, halogen-free, weather resistance that allows a period equal to the life of the PV system.

INSTALLATION: For fixed indoor and outdoor installation, without protection , or inside pipe surface mounted or embedded, or similar closed systems. Possibility of indirect or direct burial.

FEATURES	DESCRIPTION	STANDARD
Conductors:	annealed tinned copper cl.5	CEI EN 60228 (Tab. 9)
Insulation:	crosslinked non-toxic elastomer	
Colour cores:	red and black	
Sheath :	crosslinked non-toxic elastomer	
Sheath colour:	black RAL 9005	
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 toxic gases emission :	(toxicity index < 2%)	CEI 20-37/4-0
Low smoke emission :	(transmittance > 60%)	CEI EN 61034-2
UV resistant:		HD 605
Ozone resistant:		CEI EN 50396
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 20-21 - IEC 60287
Rated voltage U ₀ /U:	0,6/1 kVac 0,9/1,5 kVdc	
Max voltage :	1,2 kVac 1,8 kVdc	
Testing voltage :	6,5 kAc 15 kVdc	
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	
Printing :	BERICA CAVI S.P.A. ITALY SOLAR CABLE Type Year/Lot PV1-F 1500 Vdc IEC 60332-1-2 CE 00000 m	

TYPE N° x mm²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
2x2,5 NERO	5,20x10,60	104	B8802250N
2x4 NERO	5,80x12,00	132	B8802400N
2x6 NERO	6,60x13,60	178	B8802600N
2x10 NERO	8,00x16,40	313	B88021000N
2x16 NERO	9,30x18,80	420	B88021600N