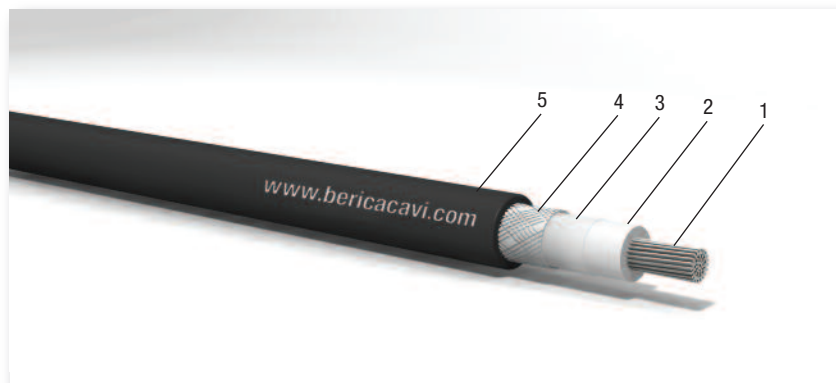


Cables for applications in photovoltaic systems, with elastomeric insulation and sheath, steel wire braid armour, flame retardant, halogen-free and UV resistant.



1. Conductor
2. Insulation
3. Assembling
4. Armour
5. 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. Moreover, they provide adequate protection against rodents and termites.

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	
Assembling:	Pet tape	
Armour:	braid of galvanized steel	
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 Uo/U:	0,6/1 kVac 0,9/1,5 kVdc	
Max voltage :	1,2 kVac 1,8 kVdc	
Testing voltage :	6,5 kVac 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 14	
Printing :	BERICA CAVI S.P.A. ITALY SOLAR CABLE ARMOUR 1500 Vdc PV1-F IEC 60332-1-2 CE Type Year/Lot 00000 m	

TYPE N° x mm²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE	TYPE N° x mm²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
1x1 NERO	6,6	62	B8901100N	1x35 NERO	14,6	490	B89013500N
1x1,5 NERO	7,1	74	B8901150N	1x50 NERO	16,6	672	B89015000N
1x2,5 NERO	7,6	91	B8901250N	1x70 NERO	18,7	854	B89017000N
1x4 NERO	8,4	116	B8901400N	1x95 NERO	21,3	1112	B89019500N
1x6 NERO	9,1	144	B8901600N	1x120 NERO	23,9	1395	B890112000N
1x10 NERO	10,5	207	B89011000N	1x150 NERO	25,7	1688	B890115000N
1x16 NERO	11,9	283	B89011600N	1x185 NERO	28,4	2002	B890118500N
1x25 NERO	13,2	381	B89012500N	1x240 NERO	29,6	2626	B890124000N