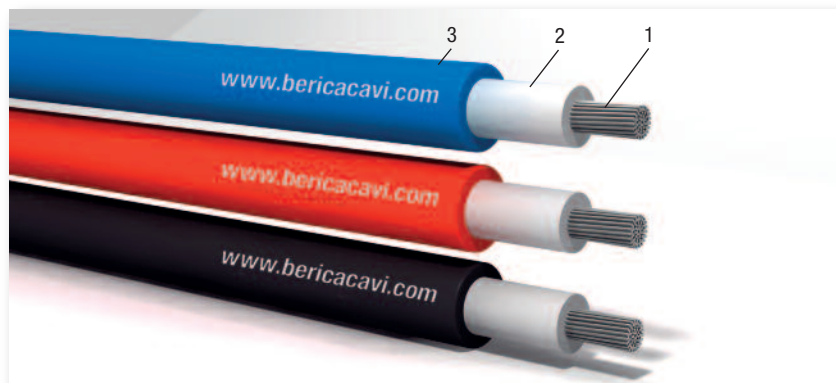


Cables for applications in photovoltaic systems, with elastomeric insulation and sheath, flame retardant, halogen-free and UV resistant.



1. Conductor
2. Insulation
3. Sheath

APPLICATION: Suitable for the interconnection of the components of PV systems that 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 surface mounted or embedded pipes, and other similar closed systems. Possibility of indirect or direct burial.

WARNING: USE TINNED COPPER CONNECTORS OR TINNED BRASS CONNECTORS.

FEATURES	DESCRIPTION	STANDARD
Conductors:	aluminum	
Insulation:	crosslinked non-toxic elastomer	CEI EN 50363
Sheath:	crosslinked non-toxic elastomer	CEI EN 50363
Sheath colour:	black RAL 9005 - Red RAL 3013 - Blue RAL 5015	
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:		CEI EN 60228 (Tabella 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 kVac 15 kVdc	
Max working temperature :	90 °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 ALL 1500 Vdc PV1-F IEC 60332-1-2 CE Type AL (Type Cu) Year/Lot 00000 m	

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SOLAR ALUMINUM				CORRESPONDING DC RESISTANCE	SOLAR CU		
PRODUCT CODE	TYPE N° x mm²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km		TYPE N° x mm²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km
B8801400A	1x4	5,7	35	8,21	1x2,5	5,1	47
B8801600A	1x6	6,4	45	5,09	1x4	5,7	63
B88011000A	1x10	7,4	62	3,39	1x6	6,5	86
B88011600A	1x16	9	92	1,95	1x10	7,9	125
B88012500A	1x25	10,9	135	1,24	1x16	9,2	188
B88014000A	1x40	12,8	189	0,8	1x25	11	291
B88015500A	1x55	14,6	245	0,57	1x35	12	383
B88018000A	1x80	16,9	335	0,39	1x50	14,3	552
B880111000A	1x110	19,1	435	0,28	1x70	16	712
B880114500A	1x145	22,4	600	0,21	1x95	18,1	925
B880119000A	1x190	25,4	765	0,16	1x120	20,7	1187
B880123000A	1x230	28,1	940	0,13	1x150	22,8	1476
B880127000A	1x270	30,4	1100	0,11	1x185	26	1785
B880137500A	1x375	34,8	1450	0,08	1x240	27	2390
B880142500A	1x425	37,1	1650	0,07	1x300	29,8	2440