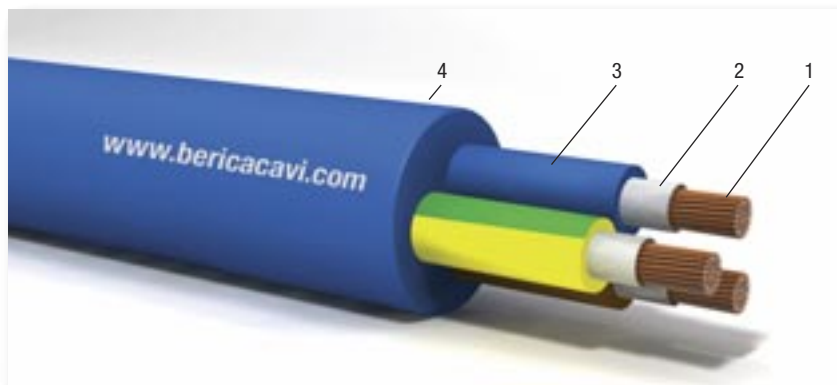


Power, control and signalling cables, fire resistant, fire retardant, halogen free.



1. Conductor
2. Flame protection
3. Insulation
4. Sheath

CPR
EU 305/2011

B2ca-s1a,d1,a1

APPLICATION: Suitable for the transport of energy and the transmission of signals and controls for electrical equipment in high-risk areas (where smoke and acidity emissions can endanger people and goods) in which is fundamental to minimize the effects of flame propagation. Suitable for emergency lighting and alarm systems, automatic fire detection, fire-fighting devices, automatic door opening, ventilation systems and air conditioning systems, emergency telephone, elevating systems, air conditioning systems, emergency telephone systems, road galleries, metro/railway stations, maritime stations.

INSTALLATION: For fixed indoor and outdoor installation even in wet environments. They can be installed on walls and metal structures, on platforms, pipes, conduits and similar systems. Cable for direct or indirect burial.

FEATURES	DESCRIPTION	STANDARDS
Conductors:	annealed red copper Cl.5	CEI EN 60228 (Tabella 9)
Flame protection:	mica-glass tape, thickness > 0,10 mm	
Insulation:	LSZH compound, G18 quality	
Cores colour:		CEI UNEL 00722 - HD 308
Sheath:	LSZH compound, M16 quality	
Sheath colour:	blue RAL 5015	
Fire retardant	duration 120 min. at temperature of 830 °C. (- 0 ÷ + 40 °C)	CEI EN 50200 - CEI EN 50362
DC resistance:		CEI EN 60228 (Tabella 9)
Current capacity:		CEI UNEL 35024/1 - CEI UNEL 35026
Rated voltage Uo/U:	0,6/1 kV	
Max voltage:	1,2 kV	
Testing voltage:	4 kV	
Max working temperature:	90 °C	
Short-circuit temperature:	250 °C	
Min. installation temperature:	0 °C	
Bending radius:	Ø x 14	
Max standard twisting (2x cable):	≥ 10 twist/meter	
REGULATION (UE) 305/2011		
System AVCP :	1+	EN 50575:2014 + A1:2016
Classification :	B2ca-s1a,d1,a1	UNI EN 13501-6
B2ca :	Heat release and flame spread (FS ≤ 1.5m)	EN 50399
s1a :	Smoke transmittance ≥ 80% (TSP ≤ 50 m2 and SPR ≤ 0.25 m2 / s)	EN 50399 + EN 61034-2
d1 :	No flaming droplets/particles persisting longer than 10 s	EN 50399
a1 :	Gas acidity (Conductivity <2.5 ms / mm and pH> 4.3)	EN 50267-2-3
	Flame propagation (H ≤ 425 mm)	EN 60332-1-2
Printing for 1x: Ø > 20 mm:	BERICA CAVI S.P.A. ITALY FTG18M16 0,6/1 kV B2ca-s1a,d1,a1 F 120 CEI 20-45 CE Type Year/Lot 00000 m	
Printing for 1x: Ø ≤ 20 mm:	BERICA CAVI S.P.A. ITALY FTG18M16 0,6/1 kV B2ca-s1a,d1,a1 PH 120 CEI 20-45 CE Type Year/Lot 00000 m	
Printing: Ø > 20 mm:	BERICA CAVI S.P.A. ITALY FTG18OM16 0,6/1 kV B2ca-s1a,d1,a1 F 120 CEI 20-45 CE Type Year/Lot 00000 m	
Printing: Ø ≤ 20 mm:	BERICA CAVI S.P.A. ITALY FTG18OM16 0,6/1 kV B2ca-s1a,d1,a1 PH 120 CEI 20-45 CE Type Year/Lot 00000 m	

Power, control and signalling cables, fire resistant, fire retardant, halogen free.

TYPE N° x mm ²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
1x4	8,0	96,0	B79B01400
1x6	8,6	121,0	B79B01600
1x10	9,9	182,0	B79B011000
1x16	11,0	246,0	B79B011600
1x25	12,8	353,0	B79B012500
1x35	13,5	457,0	B79B013500
1x50	15,5	650,0	B79B015000
1x70	17,5	806,0	B79B017000
1x95	20,1	1062,0	B79B019500
1x120	22,6	1342,0	B79B0112000
1x150	24,9	1690,0	B79B0115000
1x185	27,7	1930,0	B79B0118500
1x240	29,1	2500,0	B79B0124000
2x1,5	12,2	191,0	B79B02150
3G1,5	12,8	217,0	B79B03150
4G1,5	13,9	243,0	B79B04150
5G1,5	15,1	298,0	B79B05150
7G1,5	14,2	315,0	B79B07150
10G1,5	17,8	420,0	B79B10150
12G1,5	18,9	492,0	B79B12150
16G1,5	21,1	596,0	B79B16150
24G1,5	25,6	880,0	B79B24150
2x2,5	13,0	224,0	B79B02250
3G2,5	13,9	264,0	B79B03250
4G2,5	14,9	310,0	B79B04250
5G2,5	16,3	370,0	B79B05250
7G2,5	15,8	412,0	B79B07250
10G2,5	19,9	560,0	B79B10250
12G2,5	21,2	650,0	B79B12250
2x4	14,0	274,0	B79B02400
3G4	15,0	327,0	B79B03400
4G4	16,1	380,0	B79B04400
5G4	17,6	477,0	B79B05400
2x6	15,2	342,0	B79B02600
3G6	16,1	412,0	B79B03600
4G6	17,6	489,0	B79B04600
5G6	19,3	612,0	B79B05600
2x10	17,8	496,0	B79B021000
3G10	18,9	614,0	B79B031000
4G10	20,7	756,0	B79B041000
5G10	22,8	935,0	B79B051000
2x16	20,0	673,0	B79B021600
3G16	21,2	819,0	B79B031600
4G16	23,4	1021,0	B79B041600
5G16	25,7	1267,0	B79B051600
2x25	23,6	900,0	B79B022500
3G25	25,1	1206,0	B79B032500
4G25	27,7	1481,0	B79B042500
5G25	31,0	1868,0	B79B052500