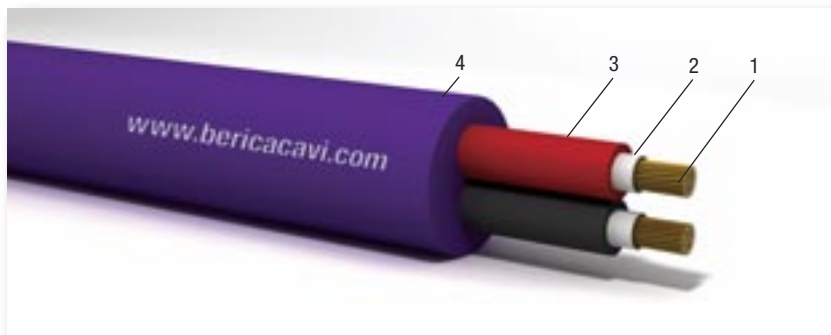


Electrical cables for applications in automatic fixed systems for revelation and signaling fire alarms with particular reaction to fire characteristics that comply with the Construction Products Regulation (CPR). Cables with additional fire resistance characteristics. (Voice evacuation)



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

CPR
EU 305/2011

Cca-s1b,d1,a1

APPLICATION: Can be used to connect the equipment of fixed automatic revelation and manual fire alarm, whether or not linked to extinguishing systems or other protection system (both active than passive type), intended to be installed in buildings, independently of the intended use. They are not suitable for other uses such as emergency lighting, power systems, forced evacuation of smoke and heat, electric or emergency controls or other similar applications with operating voltage exceeding 100 V AC for which you have to use the cables to CEI 20-45. In the most risky environments in the event of a fire, such as health facilities, entertainment venues and entertainment in general, gyms and sports centers. Hotels, guest houses, motels, villages, tourist residences - hotels. Schools of every order, grade and type. Exhibitors and / or retailers. Companies and offices with more than 300 people present; Libraries and archives, museums, galleries, exhibitions and exhibitions. Buildings intended for civil use, with a fire height of more than 24m. (Average Risk)

INSTALLATION: For fixed protected installation in conduits (embedded or surface mounted) or similar closed systems. They can be laid in the same conduit with circuits of electrical systems with rated voltage up to 400V to ground, typically in 230/400V power systems.

FEATURES	DESCRIPTION	STANDARDS
Conductors:	annealed red copper cl.5	CEI EN 60228 (Tab. 9)
Flame protection:	mica-glass tape	
Insulation:	LSZH compound S29	CEI 20-11
Cores colour:	red and black	
Sheath:	LSZH compound, M16 quality	CEI 20-11
Sheath colour:	purple	
Fire resistant:	duration 120 min. at temperature of 830 °C (- 0 ÷ + 40 °C)	CEI EN 50200
DC resistance:	according to	CEI EN 60228 (Tab. 9)
Rated voltage U ₀ /U:	100/100 V	
Testing voltage:	2000 V	
Max working temperature:	70 °C	
Short-circuit temperature:	160 °C	
Min. installation temperature:	0 °C	
Bending radius:	Ø x 14	
Max standard twisting (2x cable):	≥ 10 twist/meter	
REGULATION (UE) 305/2011		
AVCP System :	1+	EN 50575:2014 + A1:2016
Classification :	Cca-s1b,d1,a1	UNI EN 13501-6
Cca :	Heat release and flame spread(FS ≤ 2m)	EN 50399
s1b :	Smoke transmittance ≥ 60% <80% (TSP ≤ 50 m ² and SPR ≤ 0.25 m ² / 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:	BERICA CAVI S.P.A. ITALY FTS290M16 100/100 V U ₀ = 400 V Cca-s1b,d1,a1 PH120 CEI 20-105 UNI 9795 CE Type-Year/lot 00000 m	

TYPE N° Cores x Sect. N° x mm ²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
2x1	8.0	81	B5602100EV
2x1,5	8,6	76	B56C02100EV
2x2,5	9,8	103	B56C02250EV
2x4	11,0	188	B56C02400EV
2x6	12,4	258	B56C02600EV