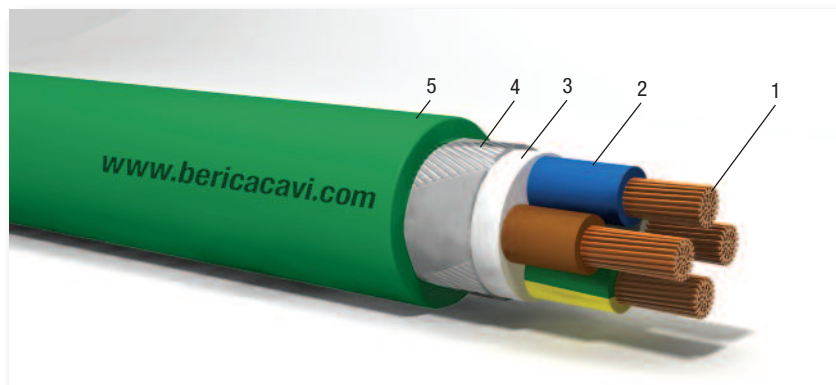


Power, control and signaling cables, with steel wire armour, fire retardant and halogens free



1. Conductor
2. Insulation
3. Inner sheath
4. Armour
5. Outer sheath

CPR
EU 305/2011

Cca-S1a,do,a1

APPLICATION: Suitable for energy transport and the transmission of signals and controls where a certain level of mechanical protection (rodents-termites) is required. 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 indoor and outdoor installation even in wet environments. They can be installed on wall and metal structures, on platforms, pipes, conduits and similar systems. Cable for direct and indirect burial.

FEATURES	DESCRIPTION	STANDARD
Conductors:	Annealed red copper cl.5	CEI EN 60228 (Tab. 9)
Insulation:	LSZH compound, G16 quality	CEI EN 50363
Cores colour:		CEI UNEL 00722 - HD 308
Inner sheath:	LSZH compound	CEI EN 50363
Armour:	Steel wire with steel tape wrapped helically	
Outer sheath:	LSZH compound, M16 quality	CEI EN 50363
Outer sheath colour:	green RAL 6018	
Halogens 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
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 twists/meter	
REGULATION (UE) 305/2011		
System AVCP :	1+	EN 50575:2014 + A1:2016
Classification :	Cca-S1a,do,a1	UNI EN 13501-6
Cca :	Heat release and flame spread (FS ≤ 2m)	EN 50399
s1a :	Smoke transmittance ≥ 80% (TSP ≤ 50 m2 and SPR ≤ 0.25 m2)	EN 50399 + EN 61034-2
d0 :	No flaming droplets	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 FG160FM16 0,6/1 kV Cca-S1a,do,a1 CE Year/Lot - Type - 00000 m	

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