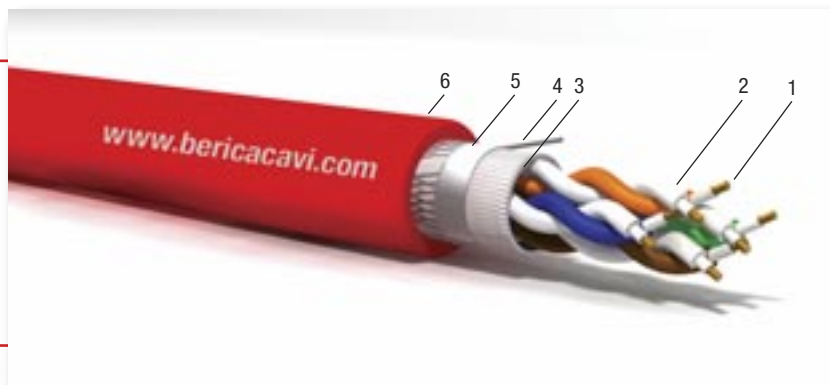


Data transmission cables, Al/Pet tape and tinned copper braid screened, fire resistant, fire retardant and halogen-free

CPR
EU 305/2011

B2ca-s1a,d1,a1

1. Conductor
2. Insulation
3. Flame protection
4. Drain wire
5. Shield
6. Sheath



APPLICATION: Used for high-frequency data transmission, when there is a need to guarantee signal transmission even in the presence of fire (video surveillance systems, interconnections of central units for voice evacuation systems and fire detection systems). In environments at greatest risk in case of fire. Places characterized by high density occupation and difficult conditions of evacuation such as terminals, railway stations, maritime stations, subways, road and railway tunnels (High risk).

INSTALLATION: For fixed installation indoors and outdoors (protected from UV rays), on metal structures, trays, pipes and similar systems. Buried installation is not allowed. They can be installed in the same conduit with circuits of electrical systems with rated voltage to earth up to 400 V, typically 230 / 400 V power systems.

FEATURES	DESCRIPTION	STANDARDS
Conductors:	annealed red copper 0,63 mm (22AWG)	
Insulation 1:	LSZH PP thermoplastic compound	
Insulation 2:	LSZH silicone rubber	
Cores colour:	white/blue - white/orange - white/green - white/brown	
Flame protection:	glass-fibre tape	
Drain wire:	annealed tinned copper 7x0,30 mm	
Shield:	Al/Pet tape	
Shield:	braid of annealed tinned copper	
Sheath:	LSZH special thermoplastic compound	
Sheath colour:	red RAL 3000	
Fire resistant:	duration 120 min. at 830 °C. (- 0 ÷ + 40 °C) PH120	CEI EN 50200
Fire resistant:	duration 180 min. at 750 °C FE180	IEC 60331-21 - VDE 472-814
DC resistance:	< 120 Ω/km (loop)	
Impedance:	100 ± 5Ω a 100 MHz	
Cond-cond capacitance:	of the order of 60 nF/km (1kHz)	
Cond-shield capacitance:	of the order of 85 nF/km (1kHz)	
Inductance:	of the order of 0,75 mH/km (1 kHz)	
Testing voltage:	700 Vac x 1 min.	
Max working temperature:	70 °C	
Min. installation temperature:	0 °C	
Bending radius:	Ø x 8	

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 4.3)	EN 50267-2-3
	Flame propagation (H ≤ 425 mm)	EN 60332-1-2
Printing:	BERICA CAVI S.P.A. ITALY S/FTP 4x2x22 AWG Cat.5E FR PH120 Uo=400 V 100 OHM B2ca-s1a,d1,a1 CE Anno/Lotto 00000 m	

TYPE	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
S/FTP 4x2x22AWG	10,2	108	B75B04CA22FR