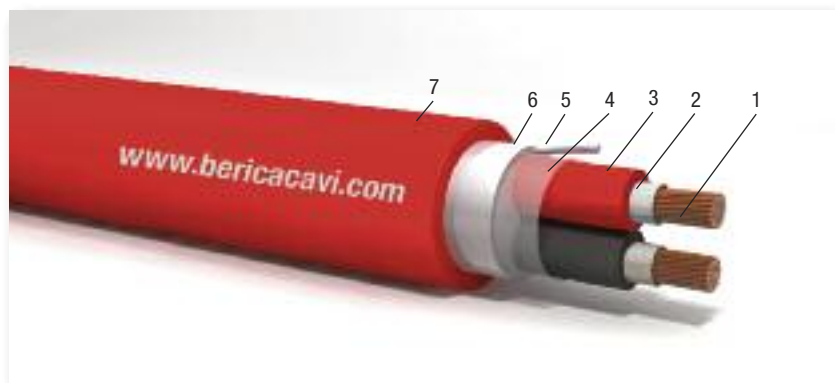


Cables for fire detection sensors, Al/Pet tape screen, fire resistant, fire retardant, halogen free.



- 1- Conductor
- 2- Flame protection
- 3- Insulation
- 4- Assembling
- 5- Drain wire
- 6- Screen
- 7- Sheath

APPLICATION: Suitable for the connection between the sensors and the control unit of the fire detection systems when it is required special characteristics such as: fire resistance, low smoke emission, low toxic and corrosive gases emission and the absence of halogens.

INSTALLATION: For fixed indoor and outdoor installation. They can be installed in cable trays, pipes, conduits and similar systems. Also for indirect burial.

FEATURES	DESCRIPTION	STANDARDS
Conductors:	annealed red copper Cl.5	CEI EN 60228 (Tab. 9)
Flame protection:	mica-glass tape	
Insulation:	Special LSZH compound	CEI EN 50363
Cores colour:	red and black	CEI UNEL 00722 - HD 308
Assembling:	Pet tape	
Drain wire:	annealed tinned copper	
Screen:	Al/Pet tape	
Sheath:	LSZH compound, M1 quality	CEI EN 50363
Sheath colour:	red RAL 3000	
Fire retardant:		CEI EN 60332-3-24
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
Fire resistant:	duration 120 min. at temperature of 830 °C (- 0 ÷ + 40 °C)	CEI EN 50200 (PH120)
Fire resistant:	duration 180 min. at temperature of 750 °C (- 0 ÷ + 50 °C)	CEI IEC 60331-21 (FE180)
DC resistance:	according to	CEI EN 60228 (Tab. 9)
Rated voltage U ₀ /U:	0,6/1 kV	
Max voltage:	1,2 kV	
Testing voltage:	4 kV	
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	
Printing:	BERICA CAVI S.P.A. ITALY EUROSAFE FLEX Type 0,6/1 kV CEI EN 50200 (PH120) (FE180) IEC 60332-3-24 CE Year/Lot	

TYPE N° x mm ²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
2x1	8,1	85,0	to be defined
2x1,5	8,7	100,0	to be defined
2x2,5	9,9	132,0	to be defined