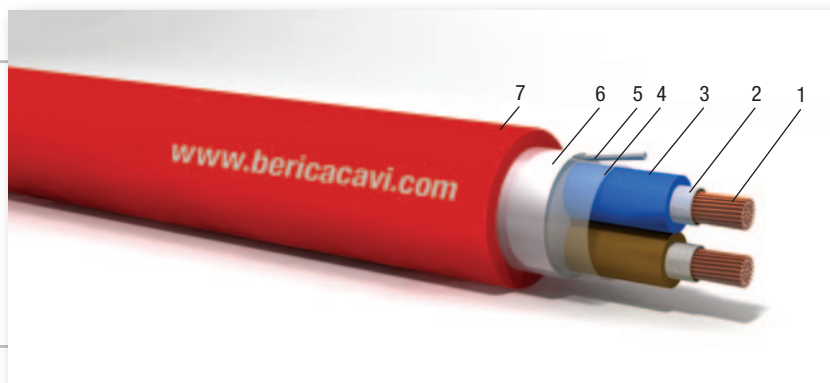


Cables for fire detection sensors, Al/Pet tape screen, fire resistant, fire retardant, halogen free.

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	STANDARD
Conductors :	annealed red copper Cl.5	CEI EN 60228 (Tab.9)
Flame protection :	mica-glass tape, thickness >0,10 mm	
Insulation :	LSZH compound, G10 quality	CEI EN 50363
Cores colour :		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 90 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:	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	
Printing :	BERICA CAVI S.P.A. ITALY FIRE RESISTANT ALARM CEI 20-22 III cat. C CEI EN 50200 PH 90 CE 0,6/1 kV Type Year/Lot 00000 m	

TYPE N° x mm ²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE	TYPE N° x mm ²	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
2x1	8,9	82	B5602100FR	2x2,5	10,9	140	B5602250FR
3x/G1	9,4	90,2	B5603100FR	3x/G2,5	11,5	187	B5603250FR
4x/G1	10,5	115	B5604100FR	4x/G2,5	12,9	235	B5604250FR
5x/G1	11,8	151	B5605100FR	5x/G2,5	14,3	285	B5605250FR
7x/G1	12,8	176	B5607100FR	7x/G2,5	15,6	370	B5607250FR
2x1,5	9,7	100	B5602150FR				
3x/G1,5	10,3	116	B5603150FR				
4x/G1,5	11,5	145,3	B5604150FR				
5x/G1,5	12,8	184,1	B5605150FR				
7x/G1,5	13,9	227,6	B5607150FR				