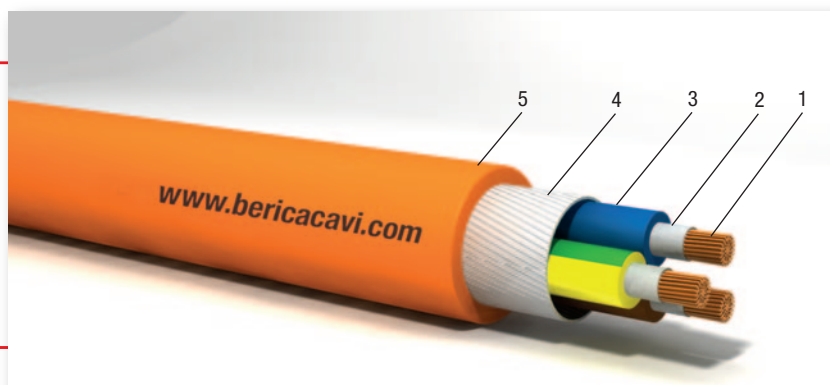


Power, control and signalling cables, fire resistant, fire retardant, halogen free.

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



APPLICATION: Suitable for the transport of energy and the transmission of signals and controls for electrical equipment when you need maximum security against fire, such as emergency lighting and alarm systems, automatic fire detection, fire extinguishing equipment, automatic opening doors, ventilation systems and conditioning, emergency telephone systems.

INSTALLATION: For fixed indoor and outdoor installation in dry or wet environments. They can be installed on walls and metal structures, on platforms, pipes, conduits and similar systems. Cable for direct and indirect burial.

FEATURES	DESCRIPTION	STANDARDS
Conductors :	annealed red copper	CEI EN 60228 (Tab. 9)
Flame protection :	mica-glass tape, thickness >0,10 mm	
Insulation :	LSZH compound	CEI EN 50363
Cores colour :		CEI UNEL 00722 - HD 308
Flame protection :	glass-fibre tape	
Sheath :	LSZH compound	CEI EN 50363
Sheath colour :	orange Ral 2004	
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 per Ø ≤ 20 mm
Fire resistant :	Duration 120 min. at temperature of 830 °C. (- 0 ÷ + 40 °C)	CEI EN 50362 per Ø > 20 mm
Fire resistant :	Duration 180 min. at temperature of 750 °C (FE 180)	IEC 60331-21 - VDE 472-814
Fire resistant :	(E90)	DIN VDE 4102-12
DC resistance :	According to	CEI EN 60228 (Tab. 9)
Current capacity :		CEI UNEL 35024/1 - CEI UNEL 35026
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	
Printing :	BERICA CAVI S.P.A. ITALY (N)HXH FE180/E90 IEC 60331-21 DIN VDE 4102-12 CE Year/Lot Type 00000 m	