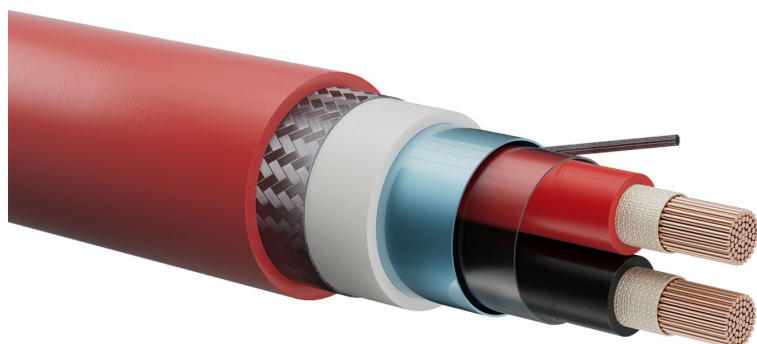


FTE32OHAM16 100/100 V LSZH PH120 CEI 20-105 UNI 9795 CEI-UNEL 35336

Armoured electrical cables for applications in fixed automatic fire detection and fire alarm systems and gas detection systems suitable for applications inside road tunnels. Fire resistant, fire propagation and halogen free.



Legend



CPR CLASSIFICATIONS
B2ca-s1a,d1,a1



View the product
on the website

DETAILS

Key features

Suitable for fixed installation in exposed or hidden electric wire conduit, or similar closed circuit in buildings and other civil engineering constructions. Can be laid in the same pipe with circuits of electrical systems with nominal voltage to earth up to 400 V, generally 230/400 V power systems. This feature is guaranteed by the marking on the cable $U_0 = 400$ V.

Application

Can be used for connecting fixed automatic detection and manual fire alarm signalling systems, connected or not to fire extinguishing systems or to another protection system (both active and passive).

Suitable for other uses such as gas detection systems and O₂ deficiency detectors in HVAC systems.

Suitable for other uses such as emergency lighting, emergency controls and electronic locks with an operating voltage lower than or equal to 100 V AC. ; if the operating voltages are higher than 100 V AC. cables complying with the CEI 20-45 standard must be used. Suitable for applications inside road tunnels.

TECHNICAL SPECIFICATIONS

Features	Values	Rules
Conductors	annealed red copper Cl.5	CEI EN 60228 (Table 9)
Flame protection	mica-glass tape	
Insulation	LSZH special cross-linked compound	CEI 20-11
Cores colour	red-black (2x) - red-black-white-blue (4x)	
Assembling:	Pet tape	
Drain wire	annealed tinned copper	
Screen	Al/Pet tape	
Inner sheath	LSZH thermoplastic compound	CEI 20-11
Inner sheath colour	Natural	
Armour:	Steel braid	
Sheath	LSZH special thermoplastic compound	CEI 20-11
Sheath colour	red RAL 3000	
Fire Resistant	duration 120 min. at temperature of 830 °C. (- 0 ÷ + 40 °C)	CEI EN 50200
DC resistance	according to	CEI EN 60228 (Table 9)
Rated voltage U ₀ /U	100/100 V	
Testing voltage	2000 V	
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	

UE REGULATION 305/2011

Features	Values	Rules
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 m ² and SPR <= 0.25 m ² /s)	EN 50399 + EN 61034-2
d1	No flaming droplets/particles persisting longer than 10 seconds	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 FTE32OHAM16 100/100 V U ₀ = 400 V B2ca-s1a,d1,a1 PH120 CEI 20-105 UNI 9795 CEI-UNEL 35336 CE Ttpe - Year/lot - 00000m	

VARIANTS

TYPE	Ø MEDIUM	MEDIUM	CODE
N° x mm ²	EXTERIOR	WEIGHT	
	mm	kg/km	
2x1,5	11.6	195	B56B02150FRIA
2x2,5	13	244	B56B02250FRIA

TYPE	Ø MEDIUM	MEDIUM	CODE
N° x mm ²	EXTERIOR	WEIGHT	
	mm	kg/km	
4x1,5	12.9	253	B56B04150FRIA
4x2,5	14.8	335	B56B04250FRIA

L'azienda si riserva la facoltà di modificare/adeguare senza preavviso le informazioni tecniche e dimensionali dei prodotti inseriti nel sito.