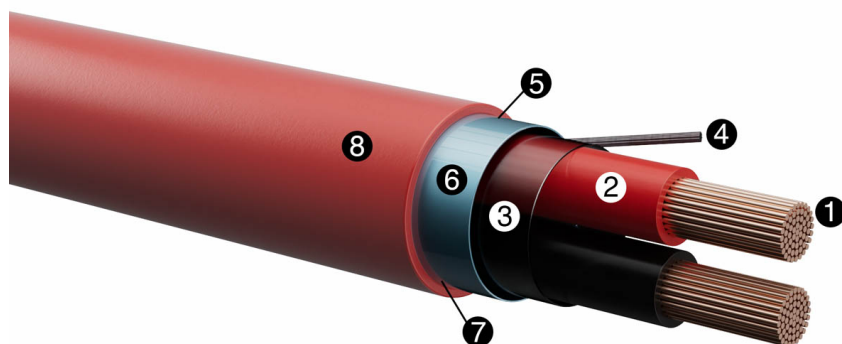


# FG29OHM16 100/100V LSZH PH120 CEI 20-105 UNI 9795

Electrical cables for applications in automatic fixed systems for revelation and signalling fire alarms with particular reaction to fire characteristics that comply with the Construction Products Regulation (CPR). Cables with additional fire resistance characteristics.



## Legend

- |                   |               |
|-------------------|---------------|
| 1. Conductor      | 6. Screen     |
| 2. Insulation     | 7. Assembling |
| 3. Assembling     | 8. Sheath     |
| 4. Drain wire     |               |
| 5. Stripping wire |               |



CPR CLASSIFICATIONS  
**Cca-s1b,d1,a1**



View the product  
on the website

## DETAILS

### Key features

For fixed protected installation in conduits ( embedded or surface mounted ) or similar closed systems. They can be laid in the same conduit with circuits of electrical systems with rated voltage up to 400 V to ground, typically in 230/400 V power systems.

### Application

Can be used to connect the equipment of fixed automatic revelation and manual fire alarm, whether or not linked to extinguishing systems or other protection system (both active than passive type), intended to be installed in buildings, independently of the intended use. They are not suitable for other uses such as emergency lighting, power systems, forced evacuation of smoke and heat, electric or emergency controls or other similar applications with operating voltage exceeding 100 V AC for which you have to use the cables to CEI 20-45. Suitable in the most risky environments in the event of a fire, such as health facilities, entertainment venues and entertainment in general, gyms and sports centers. Hotels, guest houses, motels, villages, tourist residences - hotels. Schools of every order, grade and type. Exhibitors and / or retailers. Companies and offices with more than 300 people present; Libraries and archives, museums, galleries, exhibitions and exhibitions. Buildings intended for civil use, with a fire height of more than 24m. (Average Risk)

## TECHNICAL SPECIFICATIONS

Features	Values	Rules
Conductors:	annealed red copper Cl.5	CEI EN 60228 (Table 9)
Insulation:	LSZH silicone rubber	CEI 20-11
Cores colour:	red-black (2x) - red-black-white-blue (4x)	
Assembling:	Pet tape	
Drain wire:	annealed tinned copper 0,50 mm <sup>2</sup>	
Screen:	Al/Pet tape	
Assembling:	Pet tape	
Insulation data:	LSZH special thermoplastic compound	CEI 20-11
Sheath colour:	red RAL 3000	
Fire retardant:	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 <sub>o</sub> /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	Cca-s1b,d1,a1	UNI EN 13501-6
Cca	Heat release and flame spread(FS <= 2m)	EN 50399
s1b	Smoke transmittance >= 60% < 80% (TSP <= 50 m <sup>2</sup> and SPR <= 0.25 m <sup>2</sup> /s)	EN 50399 + EN 61034-2
d1	No flaming droplets/particles persisting longer than 10 seconds	EN 50399
a1	Gas acidity (Conductivity < 2.5 µs/mm and pH > 4.3)	EN 50267-2-3
	Flame propagation (H <= 425 mm)	EN 60332-1-2
Printing:	BERICA CAVI S.P.A. ITALY FG29OHM16 100/100 V U <sub>o</sub> = 400 V Cca-s1b,d1,a1 PH120 CEI 20-105 UNI 9795 CE Type - Year/lot - 00000m	

## VARIANTS

TYPE N° x mm <sup>2</sup>	Ø MEDIUM EXTERIOR mm	MEDIUM WEIGHT kg/km	CODE
2x0,50	6	48	B56C02050FRS
2x0,75	6.3	53	B56C02075FRS
2x1	6.6	61	B56C02100FRS
2x1,5	8	83	B56C02150FRS
2x2,5	9.3	115	B56C02250FRS

TYPE N° x mm <sup>2</sup>	Ø MEDIUM EXTERIOR mm	MEDIUM WEIGHT kg/km	CODE
4x0,50	7	74	B56C04050FRS
4x0,75	7.4	87	B56C04075FRS
4x1	7.9	102	B56C04100FRS
4x1,5	9.3	138	B56C04150FRS
4x2,5	11	201	B56C04250FRS

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