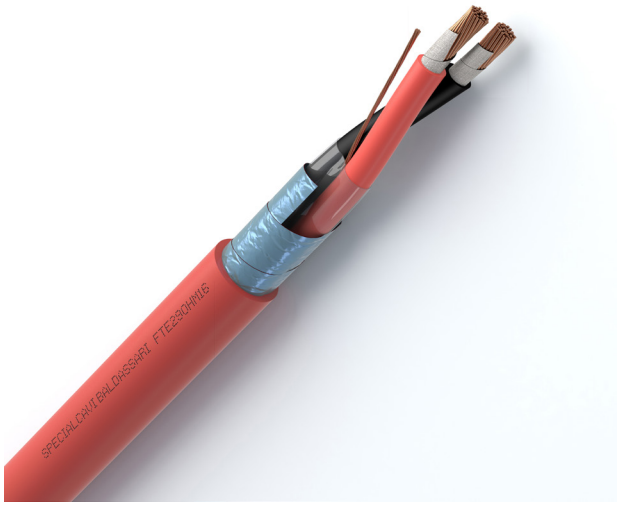
SPECIALCAVI **BALDASSARI**

FIRE RESISTANT

# FTE29OHM16 G4 *PH120*

LSZH

Marking: <meters> CE SPECIALCAVI BALDASSARI FTE29OHM16 PH120 <formation> EN 50200 CEI 20-105 P.Q.A. GUAINA 0.6/1KV <lot> <year> CCA-S1B,D1,A1




## MANUFACTURING CHARACTERISTICS

**Conductor:**
Flexible bare copper, class 5

**Fire protection:**
Mica tape

**Insulation:**
LSZH cross-linked compound, E29 type

**Stranding:**
Cores twisted/stranded in concentric layers

**Wrapping and protection:**
Overall polyester tape

**Shield:**
Overall aluminium/polyester tape with flexible bare copper drain-wire

**Outer sheath:**
LSZH thermoplastic compound, M16 type

**Colours:**
*Cores identification:*
2 cores = Red + Black
*Outer sheath colour:*
Red (based on RAL 3000

## ELECTRICAL CHARACTERISTICS

**Operating voltage:** 100/100V
**Outer sheath operating voltage:** 600/1000V
**Testing voltage:** 2000V
**Min. insulation resistance at 20°C** > 100 MΩxKm

## STANDARDS

CEI 20-29 IEC 60228
CEI 20-11
CEI EN 60332-3-24 Cat.C IEC 60332-3-24 Cat.C
CEI 20-105, V1, V2, P.Q.A.
CEI 20-36/4-0 EN 50200 (Test 120 min. PH120)
UNI 9795:2021

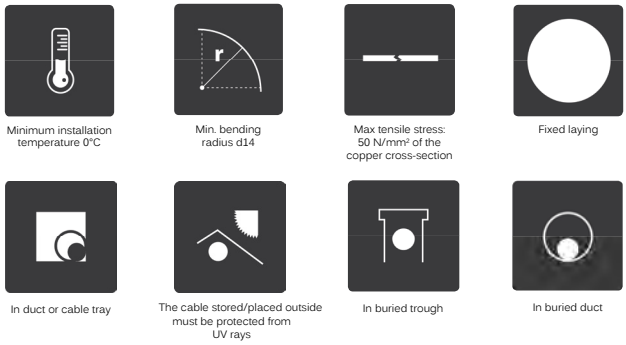
## REACTION TO FIRE CLASS

***EN 50575:2016 $C_{ca}$ - s1b, d1, a1***

## TEMPERATURES

Minimum working temperature: -40°C
Maximum working temperature: +90°C
Maximum short circuit temperature: +250°C

## LAYING CONDITIONS




## ON REQUEST

- Customized cores identification/outer sheath colours

## APPLICATIONS

**Cable conforms to the requirements in the Construction Products Regulations (CPR EU 305/11), aimed at limiting the production and diffusion of fire and smoke.**
LSZH shielded cable for signalling and command, fire-resistant (PH120) according to CEI 20-105, V1, V2 P.Q.A. and UNI 9795:2021 with outer sheath with reinforced thickness. It can be used for connecting fixed automatic detection and manual fire alarm signalling systems, whether or not connected to fire extinguishing systems (both active and passive types), planned to be installed in buildings, regardless of their intended use. Suitable for links between fire-fighting systems and actuators (e.g. electric locks, smoke and heat natural evacuators, electromagnets for releasing fire doors, etc.) with 12V and 24V AC operating voltage.
This cable can also be installed in coexistence with 450/750V or 0.6/1kV power cables that supply 230/400V nominal voltage loads.

# FTE29OHM16 G4 *PH120*

## ** APPLICATIONS

If stored/placed outdoors, the cable must be protected from UV rays.
Outdoors laying is permitted with UV protection; underground laying is permitted in cable duct.

| PART NUMBER [n°] | FORMATION [n° x mm²] | OUTER DIAMETER[1] [mm] | WEIGHT[1] [kg/km] | MAX ELECTRICAL RESISTANCE AT 20°C [Ohm/km] | CAPACITANCE Cc [pF/m] | CAPACITANCE Cs [pF/m] | INDUCTANCE L [µH/m] |
|---|---|---|---|---|---|---|---|
| *RSH10002G4 | 2 X 1.00 | 8.9 | 110 | 19.50 | 63 | 126 | 0.8 |
| *RSH15002G4 | 2 X 1.50 | 9.8 | 135 | 13.30 | 67 | 134 | 0.7 |
| *RSH25002G4 | 2 X 2.50 | 11.3 | 185 | 7.98 | 79 | 158 | 0.7 |

Cc: approx. cond./cond. capacitance, measured at 800 kHz frequency between two cores, leaving the other terminals not involved in the test floating
Cs: approx. cond./shield capacitance, measured at 800 kHz frequency between core and shield, leaving the other terminals not involved in the test floating
L: approx. inductance, measured at 800 kHz frequency between two adjoining cores in short circuit, leaving the other terminals not involved in the test floating
* According to in-stock availability, cable which must be produced on request and minimum quantity
[1] Unless otherwise specified, the values for weight and diameter are indicative.
Note: other values, if available and released for publication, are available on request.