



## FTG18M16 PH/F120



Marking: <meters> CE 2479 SPECIALCAVI BALDASSARI FTG18M16 <formation> 0,6/1kV CEI 20-45 PH/F120 <lot> <year> IEMMEQU EFP B2CA-S1A,D1,A1



## MANUFACTURING CHARACTERISTICS

Conductor:  
Flexible bare copper, class 5  
Fire protection:  
Mica tape  
Insulation:  
LSZH cross-linked elastomeric compound, G18 type  
Outer sheath:  
LSZH thermoplastic compound, M16 type  
Colours:  
*Cores identification:*  
Black  
*Outer sheath colour:*  
Blue (based on RAL 5015)

## ELECTRICAL CHARACTERISTICS

Operating voltage: 0.6/1kV  
Outer sheath operating voltage: 0.6/1kV  
Testing voltage: 4000V  
Min. insulation resistance at 20°C > 200 MΩxKm

## 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 single-core cable for power, insulated with elastomeric compound non-flame-propagating and halogen free, with flexible cores protected by fireproof barrier.  
Suitable for emergency systems in locations with danger of explosion and fire (exits and security lightings, alarm signals, smokes and gases detectors, esclators, fire pumps, fire curtains, etc.).  
If stored outdoors, the cable must be protected from UV rays.

Direct or indirect underground laying is permitted.

## STANDARDS

CEI 20-29 IEC 60228  
CEI 20-11  
CEI EN 60332-3-24 Cat.C IEC 60332-3-24 Cat.C  
CEI 20-45  
UNI 9795:2013  
- $\varnothing_{ext} \leq 20mm$ :  
CEI EN 50200 EN 50200 (Test 120 min. PH120)  
- $\varnothing_{ext} > 20mm$ :  
CEI EN 50362 EN 50362 (Test 120 min. F120)

## REACTION TO FIRE CLASS

EN 50575:2016 B2<sub>ca</sub> - s1a, d1, a1

## TEMPERATURES

Minimum working temperature: -25°C  
Maximum working temperature: +90°C  
Maximum short circuit temperature: +250°C

## LAYING CONDITIONS



Minimum working temperature 0°C



Min. bending radius d14



Max tensile stress: 50 N/mm<sup>2</sup> of the copper cross-section



Fixed laying



In open air



In duct or cable tray



In buried trough



Buried with protection



In buried duct



The cable stored outside must be protected from UV rays



Directly buried

# FTG18M16 <sup>PH/F120</sup>

PART NUMBER	FORMATION	OUTER DIAMETER <sup>1</sup>	WEIGHT <sup>1</sup>	MAX. ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm <sup>2</sup> ]	[mm]	[kg/km]	[Ohm/km]
RFZ40001	1 X 4.00	8.5	115	4.95
RFZ60001	1 X 6.00	9.2	144	3.30
RFZ100001	1 X 10.00	10.4	200	1.91
RFZ160001	1 X 16.00	11.6	273	1.21
RFZ250001	1 X 25.00	13.3	387	0.780
RFZ350001	1 X 35.00	14.5	497	0.554
RFZ500001	1 X 50.00	16.3	649	0.386
RFZ700001	1 X 70.00	18.1	863	0.272
RFZ950001	1 X 95.00	20.1	1115	0.206
RFZ1200001	1 X 120.00	21.9	1381	0.161
RFZ1500001	1 X 150.00	24.0	1692	0.129
RFZ1850001	1 X 185.00	26.6	2080	0.106
RFZ2400001	1 X 240.00	29.6	2674	0.0801

<sup>1</sup> According to in-stock availability, cable which must be produced on request and minimum quantity  
<sup>2</sup> Unless otherwise specified, the values for weight and diameter are indicative.  
 Note: other values, if available and released for publication, are available on request.