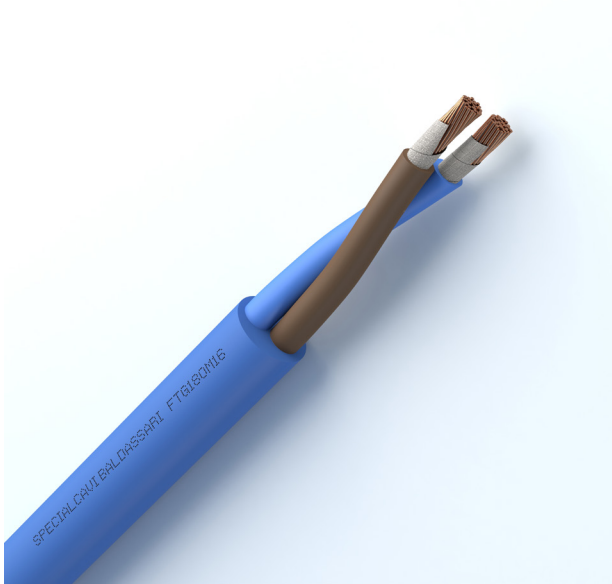




## FTG180M16 PH/F120



Marking: <meters> CE 2479 SPECIALCAVI BALDASSARI FTG180M16 <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

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

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

**Colours:**  
*Cores identification:*  
CEI UNEL 00722 – 00725 (HD 308 S2 – EN50334)  
*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 Multi-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  $B_{2ca} - s1a, d1, a1$

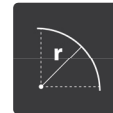
## TEMPERATURES

Minimum working temperature: -0°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

FTG18OM16<sup>PH/F120</sup>

PART NUMBER [n°]	FORMATION [n° x mm <sup>2</sup> ]	OUTER DIAMETER <sup>1</sup> [mm]	WEIGHT <sup>1</sup> [kg/km]	MAX. ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
RFZ15002	2 X 1.50	12.7	221	13.30
RFZ15003	3 G 1.50	13.1	243	13.30
RFZ15003U	3 X 1.50	13.1	243	13.30
RFZ15004	4 G 1.50	14.5	301	13.30
RFZ15004U	4 X 1.50	14.5	301	13.30
RFZ15005	5 G 1.50	15.8	360	13.30
RFZ15005U	5 X 1.50	15.8	360	13.30
RFZ25002	2 X 2.50	13.6	263	7.98
RFZ25003	3 G 2.50	14.1	296	7.98
RFZ25003U	3 X 2.50	14.1	296	7.98
RFZ25004	4 G 2.50	15.6	368	7.98
RFZ25004U	4 X 2.50	15.6	368	7.98
RFZ25005	5 G 2.50	17.0	441	7.98
RFZ25005U	5 X 2.50	17.0	441	7.98
RFZ40002	2 X 4.00	14.8	327	4.95
RFZ40003	3 G 4.00	15.4	376	4.95
RFZ40003U	3 X 4.00	15.4	376	4.95
RFZ40004	4 G 4.00	17.1	471	4.95
RFZ40004U	4 X 4.00	17.1	471	4.95
RFZ40005	5 G 4.00	18.7	569	4.95
RFZ40005U	5 X 4.00	18.7	569	4.95
RFZ60002	2 X 6.00	16.0	400	3.30
RFZ60003	3 G 6.00	16.6	465	3.30
RFZ60003U	3 X 6.00	16.6	465	3.30
RFZ60004	4 G 6.00	18.5	588	3.30
RFZ60004U	4 X 6.00	18.5	588	3.30
RFZ60005	5 G 6.00	20.3	715	3.30
RFZ60005U	5 X 6.00	20.3	715	3.30

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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]
RFZ100002	2 X 10.00	18.2	549	1.91
RFZ100003	3 G 10.00	18.9	649	1.91
RFZ100003U	3 X 10.00	18.9	649	1.91
RFZ100004	4 G 10.00	21.2	831	1.91
RFZ100004U	4 X 10.00	21.2	831	1.91
RFZ100005	5 G 10.00	23.4	1021	1.91
RFZ100005U	5 X 10.00	23.4	1021	1.91
RFZ160002	2 X 16.00	20.3	733	1.21
RFZ160003	3 G 16.00	21.1	883	1.21
RFZ160003U	3 X 16.00	21.1	883	1.21
RFZ160004	4 G 16.00	23.9	1149	1.21
RFZ160004U	4 X 16.00	23.9	1149	1.21
RFZ160005	5 G 16.00	26.7	1436	1.21
RFZ160005U	5 X 16.00	26.7	1436	1.21
RFZ250002	2 X 25.00	23.6	1042	0.780
RFZ250003	3 G 25.00	24.8	1287	0.780
RFZ250003U	3 X 25.00	24.8	1287	0.780
RFZ250004	4 G 25.00	28.3	1692	0.780
RFZ250004U	4 X 25.00	28.3	1692	0.780
RFZ250005	5 G 25.00	31.3	2088	0.780
RFZ250005U	5 X 25.00	31.3	2088	0.780
RFZ350002	2 X 35.00	26.0	1332	0.554
RFZ350003	3 G 35.00	27.7	1688	0.554
RFZ350003U	3 X 35.00	27.7	1688	0.554
RFZ350004	4 G 35.00	30.7	1785	0.554   0.780
RFZ350004U	4 X 35.00	30.7	1785	0.554   0.780
RFZ350005	5 G 35.00	34.8	2729	0.554
RFZ350005U	5 X 35.00	34.8	2729	0.554

<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.