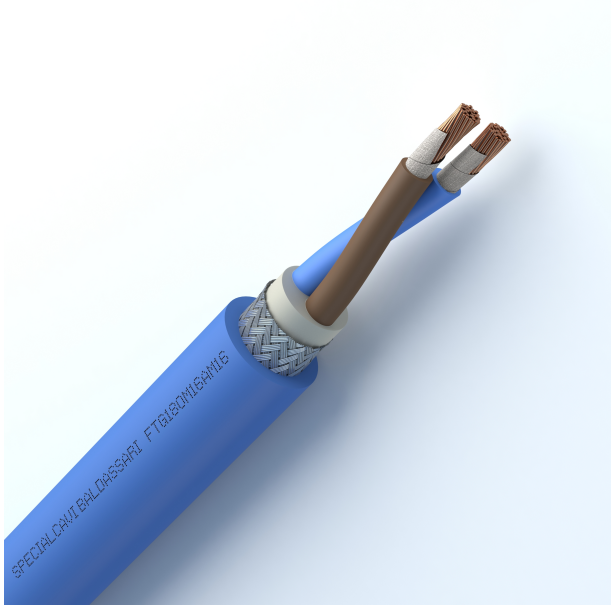


FTG18OM16AM16^{PH/F120}

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI FTG18OM16AM16 <formation> 0,6/1kV CEI 20-45 P.Q.A. PH/F120 <lot> <year> 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

Wrapping and protection:

Overall polyester tape

Inner sheath:

LSZH thermoplastic compound, M16 type

Armour:

Galvanized steel braid

Outer sheath:

LSZH thermoplastic compound, M16 type

Colours:

Cores identification:

CEI UNEL 00722 (HD 308 S2)

Outer sheath colour:

Blue (basad on RAL 5015)

ELECTRICAL CHARACTERISTICS

Operating voltage: 600/1000V

Outer sheath operating voltage: 600/1000V

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 with armour 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 P.Q.A.

UNI 9795

- Per $\varnothing_{est.} \leq 20mm$:

CEI EN 50200 EN 50200 (Duration test 120 min. PH120)

- Per $\varnothing_{est.} > 20mm$:

CEI EN IEC 60331-1 (Duration test 120 min. F120)

REACTION TO FIRE CLASS

EN 50575:2016 B2_{ca} - s1a, d1, a1

TEMPERATURES

Minimum working temperature: -40°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/mm² of the copper cross-section



Fixed laying



In open air



In duct or cable tray



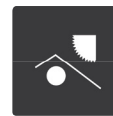
In buried trough



Buried with protection



In buried duct



The cable stored outside must be protected from UV rays



Directly buried

**FTG18OM16AM16^{PH/F120}**

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX. ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
RFAZ15002	2 X 1.50	15.3	378	13.30
RFAZ15003	3 G 1.50	16.0	413	13.30
RFAZ15003U	3 X 1.50	16.0	413	13.30
RFAZ15004	4 G 1.50	17.8	512	13.30
RFAZ15004U	4 X 1.50	17.8	512	13.30
RFAZ15005	5 G 1.50	19.4	595	13.30
RFAZ15005U	5 X 1.50	19.4	595	13.30
Separator				
RFAZ25002	2 X 2.50	16.5	438	7.98
RFAZ25003	3 G 2.50	17.4	494	7.98
RFAZ25003U	3 X 2.50	17.4	494	7.98
RFAZ25004	4 G 2.50	19.0	592	7.98
RFAZ25004U	4 X 2.50	19.0	592	7.98
RFAZ25005	5 G 2.50	20.8	713	7.98
RFAZ25005U	5 X 2.50	20.8	713	7.98
Separator				
RFAZ40002	2 X 4.00	18.1	542	4.95
RFAZ40003	3 G 4.00	18.6	594	4.95
RFAZ40003U	3 X 4.00	18.6	594	4.95
RFAZ40004	4 G 4.00	20.8	740	4.95
RFAZ40004U	4 X 4.00	20.8	740	4.95
RFAZ40005	5 G 4.00	22.9	900	4.95
RFAZ40005U	5 X 4.00	22.9	900	4.95
Separator				
RFAZ60002	2 X 6.00	19.6	640	3.30
RFAZ60003	3 G 6.00	20.2	724	3.30
RFAZ60003U	3 X 6.00	20.2	724	3.30
RFAZ60004	4 G 6.00	22.8	924	3.30
RFAZ60004U	4 X 6.00	22.8	924	3.30
RFAZ60005	5 G 6.00	25.1	1116	3.30
RFAZ60005U	5 X 6.00	25.1	1116	3.30

FTG18OM16AM16^{PH/F120}

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX. ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
RFAZ100002	2 X 10.00	22.2	851	1.91
RFAZ100003	3 G 10.00	23.4	1006	1.91
RFAZ100003U	3 X 10.00	23.4	1006	1.91
RFAZ100004	4 G 10.00	26.3	1277	1.91
RFAZ100004U	4 X 10.00	26.3	1277	1.91
RFAZ100005	5 G 10.00	29.0	1561	1.91
RFAZ100005U	5 X 10.00	29.0	1561	1.91
RFAZ160002	2 X 16.00	25.1	1135	1.21
RFAZ160003	3 G 16.00	26.2	1331	1.21
RFAZ160003U	3 X 16.00	26.2	1331	1.21
RFAZ160004	4 G 16.00	29.4	1690	1.21
RFAZ160004U	4 X 16.00	29.4	1690	1.21
RFAZ160005	5 G 16.00	32.2	2036	1.21
RFAZ160005U	5 X 16.00	32.2	2036	1.21
RFAZ250002	2 X 25.00	29.3	1587	0.780
RFAZ250003	3 G 25.00	30.4	1860	0.780
RFAZ250003U	3 X 25.00	30.4	1860	0.780
RFAZ250004	4 G 25.00	33.8	2323	0.780
RFAZ250004U	4 X 25.00	33.8	2323	0.780
RFAZ250005	5 G 25.00	37.3	2829	0.780
RFAZ250005U	5 X 25.00	37.3	2829	0.780
RFAZ350002	2 X 35.00	32.3	1984	0.554
RFAZ350003	3 G 35.00	33.5	2338	0.554
RFAZ350003U	3 X 35.00	33.5	2338	0.554
RFAZ350004	4 G 35.00	37.6	2975	0.554
RFAZ350004U	4 X 35.00	37.6	2975	0.554
RFAZ350005	5 G 35.00	40.9	3573	0.554
RFAZ350005U	5 X 35.00	40.9	3573	0.554

* 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.