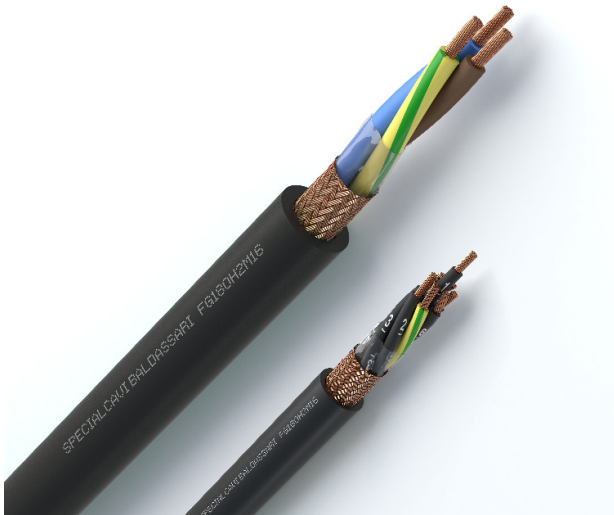




# FG18OH2M16



Marking: &lt;meters&gt; CE 0987 SPECIALCAVI BALDASSARI FG18OH2M16 &lt;formation&gt; 0,6/1kV CEI EN 60332-3-24 &lt;lot&gt; &lt;year&gt; B2CA-S1A,D0,A1



## MANUFACTURING CHARACTERISTICS

**Conductor:**

Flexible bare copper, class 5

**Insulation:**

HEPR rubber compound, G18 type

**Stranding:**

Cores twisted/stranded in concentric layers

**Wrapping and protection:**

Overall polyester tape

**Shield:**

Overall bare copper braid

**Outer sheath:**

LSZH thermoplastic compound, M16 type

**Colours:***Cores identification:*

CEI UNEL 00722 – 00725 (HD 308 S2 – EN50334)

*Outer sheath colour:*

Black (based on RAL 9005)

## 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 and signalling with very low smokes and toxic gases emissions.

It's particularly suitable in sites exposed to fire hazards such as terminals, railway and maritime stations, subways, road tunnels with length more than 500 m and railway tunnels more than 1000 m.

It's suitable for laying in wet locations and it can be installed on walls and metallic frames, in ducts, cable trays and similar systems.

The shield protects from electromagnetic interferences.

**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 EN 50363

CEI EN 60332-3-24 Cat.C IEC 60332-3-24 Cat.C

CEI 20-38

## REACTION TO FIRE CLASS

**EN 50575:2016 B2<sub>ca</sub> - s1a, d0, a1**

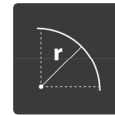
## TEMPERATURES

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

## LAYING CONDITIONS



Minimum installation temperature 0°C



Min. bending radius d10

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



Directly buried



The cable stored outside must be protected from UV rays

## ON REQUEST

- Galvanized steel braid armour
- Customized cores identification/outer sheath colours

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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]
*GMU15002	2 X 1.50	11.4	180	13.30
*GMU15003	3 G 1.50	12.0	225	13.30
*GMU15003U	3 X 1.50	12.0	225	13.30
*GMU15004	4 G 1.50	12.8	253	13.30
*GMU15004U	4 X 1.50	12.8	253	13.30
*GMU15005	5 G 1.50	14.0	305	13.30
*GMU15005U	5 X 1.50	14.0	305	13.30
*GMU15007	7 G 1.50	14.9	340	13.30
*GMU15007U	7 X 1.50	14.9	340	13.30
*GMU15010	10 G 1.50	19.0	510	13.30
*GMU15010U	10 X 1.50	19.0	510	13.30
*GMU15012	12 G 1.50	19.0	530	13.30
*GMU15012U	12 X 1.50	19.0	530	13.30
*GMU15016	16 G 1.50	21.0	660	13.30
*GMU15016U	16 X 1.50	21.0	660	13.30
*GMU15019	19 G 1.50	22.0	850	13.30
*GMU15019U	19 X 1.50	22.0	850	13.30
*GMU15024	24 G 1.50	23.3	1000	13.30
*GMU15024U	24 X 1.50	23.3	1000	13.30
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*GMU25002	2 X 2.50	12.4	235	7.98
*GMU25003	3 G 2.50	13.0	270	7.98
*GMU25003U	3 X 2.50	13.0	270	7.98
*GMU25004	4 G 2.50	14.0	320	7.98
*GMU25004U	4 X 2.50	14.0	320	7.98
*GMU25005	5 G 2.50	15.2	380	7.98
*GMU25005U	5 X 2.50	15.2	380	7.98
*GMU25007	7 G 2.50	16.4	440	7.98
*GMU25007U	7 X 2.50	16.4	440	7.98
*GMU25010	10 G 2.50	21.2	660	7.98
*GMU25010U	10 X 2.50	21.2	660	7.98
*GMU25012	12 G 2.50	21.2	690	7.98
*GMU25012U	12 X 2.50	21.2	690	7.98
*GMU25016	16 G 2.50	23.4	880	7.98
*GMU25016U	16 X 2.50	23.4	880	7.98
*GMU25019	19 G 2.50	25.0	1020	7.98
*GMU25019U	19 X 2.50	25.0	1020	7.98

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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]
*GMU25024	24 G 2.50	30.3	1400	7.98
*GMU25024U	24 X 2.50	30.3	1400	7.98
*GMAU40002	2 X 4.00	13.4	290	4.95
*GMAU40003	3 G 4.00	14.0	340	4.95
*GMAU40003U	3 X 4.00	14.0	340	4.95
*GMAU40004	4 G 4.00	15.2	405	4.95
*GMAU40004U	4 X 4.00	15.2	405	4.95
*GMAU40005	5 G 4.00	16.6	485	4.95
*GMAU40005U	5 X 4.00	16.6	485	4.95
*GMU60002	2 X 6.00	14.6	360	3.30
*GMU60003	3 G 6.00	15.3	430	3.30
*GMU60003U	3 X 6.00	15.3	430	3.30
*GMU60004	4 G 6.00	16.7	520	3.30
*GMU60004U	4 X 6.00	16.7	520	3.30
*GMU60005	5 G 6.00	18.4	635	3.30
*GMU60005U	5 X 6.00	18.4	635	3.30
*GMU100002	2 X 10.00	16.4	485	1.91
*GMU100003	3 G 10.00	17.8	640	1.91
*GMU100003U	3 X 10.00	17.8	640	1.91
*GMU100004	4 G 10.00	19.6	760	1.91
*GMU100004U	4 X 10.00	19.6	760	1.91
*GMU100005	5 G 10.00	21.4	920	1.91
*GMU100005U	5 X 10.00	21.4	920	1.91
*GMU160002	2 X 16.00	18.8	680	1.21
*GMU160003	3 G 16.00	20.0	835	1.21
*GMU160003U	3 X 16.00	20.0	835	1.21
*GMU160004	4 G 16.00	22.1	1040	1.21
*GMU160004U	4 X 16.00	22.1	1040	1.21
*GMU160005	5 G 16.00	24.4	1300	1.21
*GMU160005U	5 X 16.00	24.4	1300	1.21
*GMU250002	2 X 25.00	22.4	1000	0.780
*GMU250003	3 G 25.00	23.7	1250	0.780
*GMU250003U	3 X 25.00	23.7	1250	0.780
*GMU250004	4 G 25.00	26.4	1580	0.780
*GMU250004U	4 X 25.00	26.4	1580	0.780
*GMU250005	5 G 25.00	29.4	1950	0.780
*GMU250005U	5 X 25.00	29.4	1950	0.780

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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]
*GMU350002	2 X 35.00	24.8	1270	0.554
*GMU350003	3 G 35.00	26.4	1620	0.554
*GMU350003U	3 X 35.00	26.4	1620	0.554
*GMU350004	3.5 G 35.00	29.0	1800	0.554   0.780
*GMU350004U	3.5 X 35.00	29.0	1800	0.554   0.780
<b>Separator</b>				
*GMU500002	2 X 50.00	29.2	1800	0.386
*GMU500003	3 G 50.00	31.3	2290	0.386
*GMU500003U	3 X 50.00	31.3	2290	0.386
*GMU500004	3.5 G 50.00	33.0	2420	0.386   0.780
*GMU500004U	3.5 X 50.00	33.0	2420	0.386   0.780
<b>Separator</b>				
*GMU700002	2 X 70.00	32.6	2360	0.272
*GMU700003	3 G 70.00	34.9	3000	0.272
*GMU700003U	3 X 70.00	34.9	3000	0.272
*GMU700004	3.5 G 70.00	37.4	3300	0.272   0.554
*GMU700004U	3.5 X 70.00	37.4	3300	0.272   0.554
<b>Separator</b>				
*GMU950002	2 X 95.00	38.5	3260	0.206
*GMU950003	3 G 95.00	41.0	4120	0.206
*GMU950003U	3 X 95.00	41.0	4120	0.206
*GMU950004	3.5 G 95.00	43.2	4360	0.206   0.386
*GMU950004U	3.5 X 95.00	43.2	4360	0.206   0.386
<b>Separator</b>				
*GMU1200002	2 X 120.00	42.0	3960	0.161
*GMU1200003	3 G 120.00	44.6	5050	0.161
*GMU1200003U	3 X 120.00	44.6	5050	0.161
*GMU1200004	3.5 G 120.00	47.7	5430	0.161   0.272
*GMU1200004U	3.5 X 120.00	47.7	5430	0.161   0.272

\* According to in-stock availability, cable which must be produced on request and minimum quantity  
<sup>1</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.