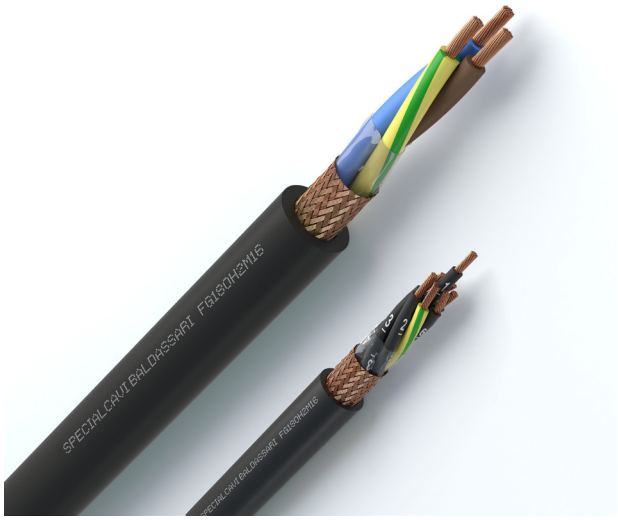
SPECIALCAVI **BALDASSARI**

POWER, CONTROL AND SIGNALLING

FG18OH2M16

LSZH

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI FG18OH2M16 <formation> 0,6/1kV CEI EN 60332-3-24 <lot> <year> 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

STANDARDS

CEI 20-29 IEC 60228
CEI 20-11
CEI EN 60332-3-24 Cat.C IEC 60332-3-24 Cat.C
CEI 20-38 PQA

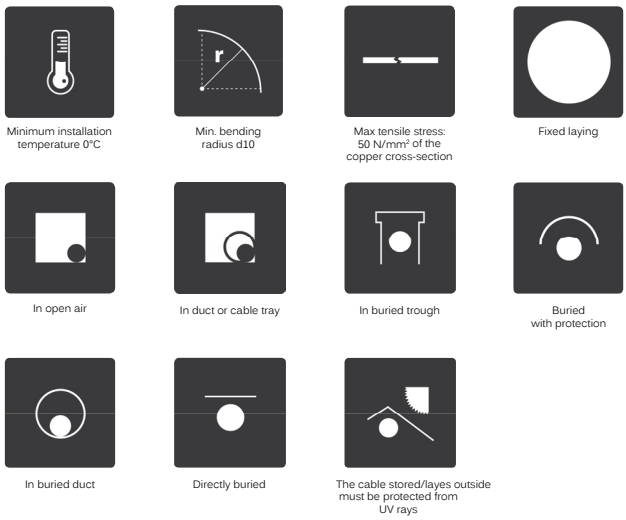
REACTION TO FIRE CLASS

EN 50575:2016 $B2_{ca}$ - s1a, d0, a1

TEMPERATURES

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

LAYING CONDITIONS



ON REQUEST

- Galvanized steel braid armour
- 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 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 lenght 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/layed outdoors, the cable must be protected from UV rays.
Direct or indirect underground laying is permitted.

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PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER[1] [mm]	WEIGHT[1] [kg/km]	MAX. ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*GMU15002	2 X 1.50	10.0	125	13.30
*GMU15003	3 G 1.50	10.5	148	13.30
*GMU15003U	3 X 1.50	10.5	148	13.30
*GMU15004	4 G 1.50	11.2	173	13.30
*GMU15004U	4 X 1.50	11.2	173	13.30
*GMU15005	5 G 1.50	12.0	202	13.30
*GMU15005U	5 X 1.50	12.0	202	13.30
*GMU15007	7 G 1.50	12.9	244	13.30
*GMU15007U	7 X 1.50	12.9	244	13.30
*GMU15010	10 G 1.50	16.4	351	13.30
*GMU15010U	10 X 1.50	16.4	351	13.30
*GMU15012	12 G 1.50	16.5	381	13.30
*GMU15012U	12 X 1.50	16.5	381	13.30
*GMU15016	16 G 1.50	18.0	473	13.30
*GMU15016U	16 X 1.50	18.0	473	13.30
*GMU15019	19 G 1.50	18.9	530	13.30
*GMU15019U	19 X 1.50	18.9	530	13.30
*GMU15024	24 G 1.50	22.5	688	13.30
*GMU15024U	24 X 1.50	22.5	688	13.30
*GMU15030	30 G 1.50	23.6	799	13.30
*GMU15036	36 G 1.50	25.7	959	13.30
*GMU15048	48 G 1.50	29.5	1231	13.30
*GMU25002	2 X 2.50	11.0	153	7.98
*GMU25003	3 G 2.50	11.6	189	7.98
*GMU25003U	3 X 2.50	11.6	189	7.98
*GMU25004	4 G 2.50	12.4	225	7.98
*GMU25004U	4 X 2.50	12.4	225	7.98
*GMU25005	5 G 2.50	13.4	267	7.98
*GMU25005U	5 X 2.50	13.4	267	7.98
*GMU25007	7 G 2.50	14.5	330	7.98
*GMU25007U	7 X 2.50	14.5	330	7.98
*GMU25010	10 G 2.50	18.6	487	7.98
*GMU25010U	10 X 2.50	18.6	487	7.98
*GMU25012	12 G 2.50	18.6	523	7.98
*GMU25012U	12 X 2.50	18.6	523	7.98
*GMU25016	16 G 2.50	20.6	670	7.98
*GMU25016U	16 X 2.50	20.6	670	7.98
*GMU25019	19 G 2.50	21.6	752	7.98
*GMU25019U	19 X 2.50	21.6	752	7.98

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*GMU25024	24 G 2.50	26.2	1004	7.98
*GMU25024U	24 X 2.50	26.2	1004	7.98
*GMU25030	30 G 2.50	27.4	1167	7.98
*GMU25036	36 G 2.50	29.8	1392	7.98
*GMAU40002	2 X 4.00	12.2	198	4.95
*GMAU40003	3 G 4.00	12.9	249	4.95
*GMAU40003U	3 X 4.00	12.9	249	4.95
*GMAU40004	4 G 4.00	13.9	299	4.95
*GMAU40004U	4 X 4.00	13.9	299	4.95
*GMAU40005	5 G 4.00	15.1	361	4.95
*GMAU40005U	5 X 4.00	15.1	361	4.95
*GMU60002	2 X 6.00	13.2	244	3.30
*GMU60003	3 G 6.00	14.0	312	3.30
*GMU60003U	3 X 6.00	14.0	312	3.30
*GMU60004	4 G 6.00	15.1	383	3.30
*GMU60004U	4 X 6.00	15.1	383	3.30
*GMU60005	5 G 6.00	16.6	477	3.30
*GMU60005U	5 X 6.00	16.6	477	3.30
*GMU100002	2 X 10.00	15.1	339	1.91
*GMU100003	3 G 10.00	16.2	451	1.91
*GMU100003U	3 X 10.00	16.2	451	1.91
*GMU100004	4 G 10.00	17.6	569	1.91
*GMU100004U	4 X 10.00	17.6	569	1.91
*GMU100005	5 G 10.00	19.2	695	1.91
*GMU100005U	5 X 10.00	19.2	695	1.91
*GMU160002	2 X 16.00	17.4	507	1.21
*GMU160003	3 G 16.00	18.7	668	1.21
*GMU160003U	3 X 16.00	18.7	668	1.21
*GMU160004	4 G 16.00	20.3	840	1.21
*GMU160004U	4 X 16.00	20.3	840	1.21
*GMU160005	5 G 16.00	22.4	1013	1.21
*GMU160005U	5 X 16.00	22.4	1013	1.21
*GMU250002	2 X 25.00	20.6	727	0.780
*GMU250003	3 G 25.00	22.1	968	0.780
*GMU250003U	3 X 25.00	22.1	968	0.780
*GMU250004	4 G 25.00	24.3	1241	0.780
*GMU250004U	4 X 25.00	24.3	1241	0.780
*GMU250005	5 G 25.00	27.3	1526	0.780
*GMU250005U	5 X 25.00	27.3	1526	0.780

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*GMU350002	2 X 35.00	24.0	981	0.554
*GMU350003	3 G 35.00	25.8	1323	0.554
*GMU350003U	3 X 35.00	25.8	1323	0.554
*GMU350004	3.5 G 35.00	27.1	1597	0.554 | 0.780
*GMU350004U	3.5 X 35.00	27.1	1597	0.554 | 0.780
*GMU500002	2 X 50.00	27.4	1335	0.386
*GMU500003	3 G 50.00	29.6	1817	0.386
*GMU500003U	3 X 50.00	29.6	1817	0.386
*GMU500004	3.5 G 50.00	31.2	2172	0.386 | 0.780
*GMU500004U	3.5 X 50.00	31.2	2172	0.386 | 0.780
*GMU700002	2 X 70.00	32.0	1834	0.272
*GMU700003	3 G 70.00	34.9	2584	0.272
*GMU700003U	3 X 70.00	34.9	2584	0.272
*GMU700004	3.5 G 70.00	36.3	2957	0.272 | 0.554
*GMU700004U	3.5 X 70.00	36.3	2957	0.272 | 0.554
*GMU950002	2 X 95.00	35.8	2426	0.206
*GMU950003	3 G 95.00	38.3	3281	0.206
*GMU950003U	3 X 95.00	38.3	3281	0.206
*GMU950004	3.5 G 95.00	40.4	3823	0.206 | 0.386
*GMU950004U	3.5 X 95.00	40.4	3823	0.206 | 0.386
*GMU1200002	2 X 120.00	40.0	3024	0.161
*GMU1200003	3 G 120.00	42.8	4099	0.161
*GMU1200003U	3 X 120.00	42.8	4099	0.161
*GMU1200004	3.5 G 120.00	45.4	4847	0.161 | 0.272
*GMU1200004U	3.5 X 120.00	45.4	4847	0.161 | 0.272

* 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.