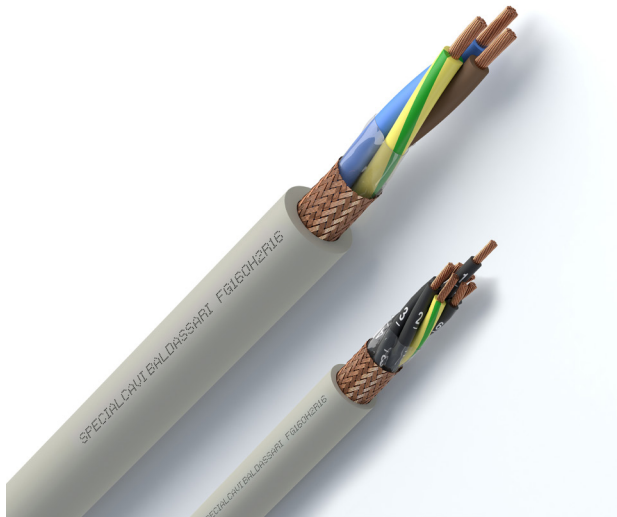




FG16OH2R16

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI FG16OH2R16 <formation> 0,6/1kV IEC 60332-3-24 <lot> <year> CCA-S2,D0,A3



MANUFACTURING CHARACTERISTICS

Conductor:

Flexible bare copper, class 5

Insulation:

HEPR rubber compound, G16 type

Stranding:

Cores twisted/stranded in concentric layers

Wrapping and protection:

Overall polyester tape

Shield:

Overall bare copper braid

Outer sheath:

PVC compound, R16 type

Colours:*Cores identification:*

CEI UNEL 00722 - 00725 (HD 308 S2 - EN 50334)

Outer sheath colour:

Grey (based on RAL 7035)

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.

Multi-core cable for power transport, signalling or command when there is a need for efficient protection from electromagnetic interferences, both in industry and residential building.

Suitable for fixed laying in indoor environments, also in wet locations, and outdoors in ducts, cable trays and similar systems.

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 20-13 P.Q.A.

REACTION TO FIRE CLASS

EN 50575:2016 C_{ca} - s2, d0, a3

TEMPERATURES

Minimum working temperature: -15°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/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



Directly buried

ON REQUEST

- Galvanized steel braid armour (FG16OH2R16AR16)
- Customized cores identification/outer sheath colours

FG16OH2R16

PART NUMBER [n°]	FORMATION [n° x mm ²]	OUTER DIAMETER ¹ [mm]	WEIGHT ¹ [kg/km]	MAX. ELECTRICAL RESISTANCE AT 20°C [Ohm/km]	CAPACITANCE		INDUCTANCE L [μH/m]
					C _c [pF/m]	C _s	
GHZ15002	2 X 1.50	10.0	126	13.30	110	200	0.9
GHZ15003	3 G 1.50	11.2	175	13.30	110	200	0.9
GHZ15003U	3 X 1.50	11.2	175	13.30	110	200	0.9
GHZ15004	4 G 1.50	12.0	204	13.30	110	200	0.9
GHZ15004U	4 X 1.50	12.0	204	13.30	110	200	0.9
GHZ15005	5 G 1.50	12.9	246	13.30	110	200	0.9
GHZ15005U	5 X 1.50	12.9	246	13.30	110	200	0.9
GHZ15007	7 G 1.50	16.4	354	13.30	110	200	0.9
GHZ15007U	7 X 1.50	16.4	354	13.30	110	200	0.9
GHZ15010	10 G 1.50	16.5	384	13.30	110	200	0.9
GHZ15010U	10 X 1.50	16.5	384	13.30	110	200	0.9
GHZ15012	12 G 1.50	18.0	476	13.30	110	200	0.9
GHZ15012U	12 X 1.50	18.0	476	13.30	110	200	0.9
GHZ15016	16 G 1.50	18.9	533	13.30	110	200	0.9
GHZ15016U	16 X 1.50	18.9	533	13.30	110	200	0.9
GHZ15019	19 G 1.50	22.5	692	13.30	110	200	0.9
GHZ15019U	19 X 1.50	22.5	692	13.30	110	200	0.9
*GHZ15024	24 G 1.50	23.6	803	13.30	110	200	0.9
*GHZ15024U	24 X 1.50	23.6	803	13.30	110	200	0.9
*GHZ15030	30 G 1.50	25.7	964	13.30	110	200	0.9
*GHZ15036	36 G 1.50	29.5	1237	13.30	110	200	0.9
GHZ25002	2 X 2.50	11.0	158	7.98	120	220	0.9
GHZ25003	3 G 2.50	11.6	191	7.98	120	220	0.9
GHZ25003U	3 X 2.50	11.6	191	7.98	120	220	0.9
GHZ25004	4 G 2.50	12.4	227	7.98	120	220	0.9 0.9
GHZ25004U	4 X 2.50	12.4	227	7.98	120	220	0.9
GHZ25005	5 G 2.50	13.4	269	7.98	120	220	0.9
GHZ25005U	5 X 2.50	13.4	269	7.98	120	220	0.9
GHZ25007	7 G 2.50	14.5	332	7.98	120	220	0.9
GHZ25007U	7 X 2.50	14.5	332	7.98	120	220	0.9
*GHZ25010	10 G 2.50	18.6	490	7.98	120	220	0.9
*GHZ25010U	10 X 2.50	18.6	490	7.98	120	220	0.9
*GHZ25012	12 G 2.50	18.6	526	7.98	120	220	0.9
*GHZ25012U	12 X 2.50	18.6	526	7.98	120	220	0.9
*GHZ25016	16 G 2.50	20.6	673	7.98	120	220	0.9
*GHZ25016U	16 X 2.50	20.6	673	7.98	120	220	0.9
*GHZ25019	19 G 2.50	21.6	756	7.98	120	220	0.9
*GHZ25019U	19 X 2.50	21.6	756	7.98	120	220	0.9



FG16OH2R16

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER ¹ [mm]	WEIGHT ¹ [kg/km]	MAX. ELECTRICAL RESISTANCE AT 20°C [Ohm/km]	CAPACITANCE		INDUCTANCE L [μH/m]
					C _c [pF/m]	C _s	
*GHZ25024	24 G 2.50	26.2	1009	7.98	120	220	0.9
*GHZ25024U	24 X 2.50	26.2	1009	7.98	120	220	0.9
*GHZ25030	30 G 2.50	27.4	1173	7.98	120	220	0.9
*GHZ25036	36 G 2.50	29.8	1399	7.98	120	220	0.9
GHZ40002	2 X 4.00	12.2	200	4.95	130	235	0.9
GHZ40003	3 G 4.00	12.9	251	4.95	130	235	0.9
GHZ40003U	3 X 4.00	12.9	251	4.95	130	235	0.9
GHZ40004	4 G 4.00	13.9	301	4.95	130	235	0.9
GHZ40004U	4 X 4.00	13.9	301	4.95	130	235	0.9
*GHZ40005	5 G 4.00	15.1	363	4.95	130	235	0.9
*GHZ40005U	5 X 4.00	15.1	363	4.95	130	235	0.9
GHZ60002	2 X 6.00	13.2	246	3.30	145	265	0.9
GHZ60003	3 G 6.00	14.0	314	3.30	145	265	0.9
GHZ60003U	3 X 6.00	14.0	314	3.30	145	265	0.9
GHZ60004	4 G 6.00	15.1	385	3.30	145	265	0.9
GHZ60004U	4 X 6.00	15.1	385	3.30	145	265	0.9
*GHZ60005	5 G 6.00	16.6	480	3.30	145	265	0.9
*GHZ60005U	5 X 6.00	16.6	480	3.30	145	265	0.9
*GHZ100002	2 X 10.00	15.1	341	1.91	-	-	-
GHZ100003	3 G 10.00	16.2	454	1.91	-	-	-
GHZ100003U	3 X 10.00	16.2	454	1.91	-	-	-
GHZ100004	4 G 10.00	17.6	571	1.91	-	-	-
GHZ100004U	4 X 10.00	17.6	571	1.91	-	-	-
*GHZ100005	5 G 10.00	19.2	698	1.91	-	-	-
*GHZ100005U	5 X 10.00	19.2	698	1.91	-	-	-
*GHZ250002	2 X 25.00	20.6	730	0.780	-	-	-
GHZ250003	3 G 25.00	22.1	972	0.780	-	-	-
GHZ250003U	3 X 25.00	22.1	972	0.780	-	-	-
GHZ250004	4 G 25.00	24.3	1245	0.780	-	-	-
GHZ250004U	4 X 25.00	24.3	1245	0.780	-	-	-
*GHZ250005	5 G 25.00	27.3	1532	0.780	-	-	-
*GHZ250005U	5 X 25.00	27.3	1532	0.780	-	-	-
*GHZ350002	2 X 35.00	24.0	985	0.554	-	-	-
*GHZ350003	3 G 35.00	25.8	1328	0.554	-	-	-
*GHZ350003U	3 X 35.00	25.8	1328	0.554	-	-	-
GHZ350004	3.5 G 35.00	27.1	1602	0.554 0.780	-	-	-
GHZ350004U	3.5 X 35.00	27.1	1602	0.554 0.780	-	-	-
*GHZ500002	2 X 50.00	27.4	1340	0.386	-	-	-
*GHZ500003	3 G 50.00	29.6	1823	0.386	-	-	-

FG16OH2R16

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER ¹ [mm]	WEIGHT ¹ [kg/km]	MAX. ELECTRICAL RESISTANCE AT 20°C [Ohm/km]	CAPACITANCE		INDUCTANCE L [μH/m]
					C _c [pF/m]	C _s	
*GHZ50000U	3 G 50.00	29.6	1823	0.386	-	-	-
GHZ500004	3.5 G 50.00	31.2	2179	0.386 0.780	-	-	-
GHZ500004U	3.5 X 50.00	31.2	2179	0.386 0.780	-	-	-
*GHZ700002	2 X 70.00	32.0	1842	0.272	-	-	-
*GHZ700003	3 G 70.00	34.9	2593	0.272	-	-	-
*GHZ700003U	3 X 70.00	34.9	2593	0.272	-	-	-
GHZ700004	3.5 G 70.00	36.3	2967	0.272 0.554	-	-	-
GHZ700004U	3.5 X 70.00	36.3	2967	0.272 0.554	-	-	-
*GHZ950002	2 X 95.00	19.3	1064	0.206	-	-	-
*GHZ950003	3 G 95.00	35.8	2435	0.206	-	-	-
*GHZ950003U	3 X 95.00	35.8	2435	0.206	-	-	-
*GHZ950004	3.5 G 95.00	40.4	3291	0.206 0.386	-	-	-
*GHZ950004U	3.5 X 95.00	40.4	3291	0.206 0.386	-	-	-
*GHZ1200002	2 X 120.00	40.0	3035	0.161	-	-	-
*GHZ1200003	3 G 120.00	42.8	4112	0.161	-	-	-
*GHZ1200003U	3 X 120.00	42.8	4112	0.161	-	-	-
*GHZ1200004	3.5 G 120.00	45.4	4861	0.161 0.272	-	-	-
*GHZ1200004U	3.5 X 120.00	45.4	4861	0.161 0.272	-	-	-
*GHZ1500002	2 X 150.00	43.0	3500	0.129	-	-	-
*GHZ1500003	3 G 150.00	46.0	4950	0.129	-	-	-
*GHZ1500003U	3 X 150.00	46.0	4950	0.129	-	-	-
*GHZ1500004	3.5 G 150.00	50.0	5950	0.129 0.206	-	-	-
*GHZ1500004U	3.5 X 150.00	50.0	5950	0.129 0.206	-	-	-
*GHZ1850002	2 X 185.00	48.0	4250	0.106	-	-	-
*GHZ1850003	3 G 185.00	50.5	6050	0.106	-	-	-
*GHZ1850003U	3 X 185.00	50.5	6050	0.106	-	-	-
*GHZ1850004	3.5 G 185.00	54.0	7100	0.106 0.206	-	-	-
*GHZ1850004U	3.5 X 185.00	54.0	7100	0.106 0.206	-	-	-
*GHZ2400002	2 X 240.00	54.0	5550	0.0801	-	-	-
*GHZ2400003	3 G 240.00	57.5	7900	0.0801	-	-	-
*GHZ2400003U	3 X 240.00	57.5	7900	0.0801	-	-	-
*GHZ2400004	3.5 G 240.00	62.0	9400	0.0801 0.129	-	-	-
*GHZ2400004U	3.5 X 240.00	62.0	9400	0.0801 0.129	-	-	-

C_c: approx. cond./cond. capacitance, measured at 800 kHz frequency between two cores, leaving the other terminals not involved in the test floating

C_s: approx. cond./shield capacitance, measured at 800 kHz frequency between core and shield, leaving the other terminals not involved in the test floating

L: approx. inductance, measured at 800 kHz frequency between two adjoining cores in short circuit, leaving the other terminals not involved in the test floating

¹ 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.