

FG16OM16 0,6/1 kV Cca

CPR Class **Cca** **s1b** **d1** **a1**

DOP Number **004 2018**



MULTISTANDARD
CABLES

CONTROL
CABLES

DATA
CABLES

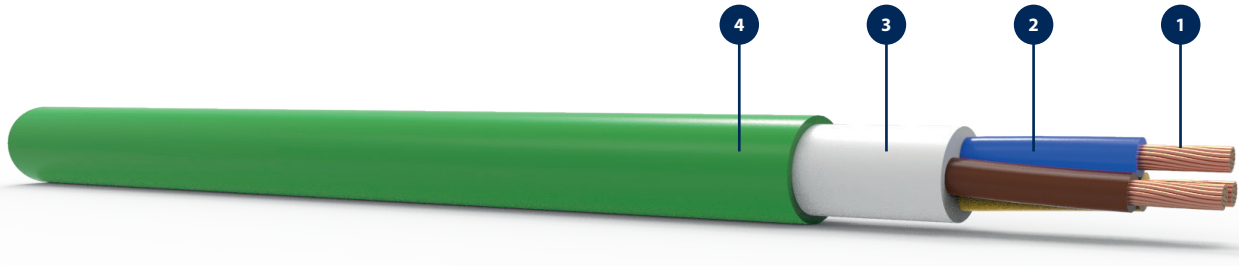
ENERGY
CABLES

SPECIAL
CABLES

SHIELDED
CABLES

ARMoured
CABLES

UTILITIES



PRIVO DI ALOGENI
HALOGEN FREE



RITARDANTE LA FIAMMA
FIRE RETARDANT

IMPIEGO APPROPRIATO / APPROPRIATE USE

Cavo per alimentazione elettrica per installazioni in costruzioni o altre opere di ingegneria civile a bassa diffusione di fuoco e fumo, prodotto in conformità al Regolamento Prodotti da Costruzione (CPR). Può essere impiegato in ambienti a rischio incendio e strutture ricettive quali scuole, ospedali, alberghi, supermercati, metropolitane, cinema, teatri, discoteche, etc. Adatto per posa fissa all'interno di opere murarie e strutture metalliche.

Power cable for constructions or other civil engineering buildings with limited fire spread and smoke emission, produced meeting CPR requirements. Suitable for installation into high fire risk environments and structure or buildings such as schools, hospitals, hotels, malls, metro, cinemas, theaters, discos, etc.. Suitable for fixed laying inside walls or metal structures.

	CARATTERISTICHE/ CHARACTERISTICS	DESCRIZIONE/ DESCRIPTION	NORME/ REFERENCE
	Tipo di cavo Type of cable	FG16OM16 0,6/1 kV	
	Tensione nominale Nominal Voltage	U ₀ /U 600/1000V	
1	Conduttore Core	Flessibile di rame rosso ricotto, classe 5 Flexible annealed copper wire, class 5	EN 60228
2	Isolamento Insulation	Mescola di gomma etilpropilenica G16 G16 ethylene propylene rubber compound	EN 50363
3	Riempitivo Filler	Mescola non igroscopica Non hygroscopic compound	
4	Guaina Sheath	Termoplastica qualità M16, colore verde M16 thermoplastic, green colour	EN 50363
	Campo di temperatura Temperature range	-15°C / +90°C	
	Temperatura massima di corto circuito Maximum short circuit temperature	250°C	
	Tensione di prova Testing voltage	4000 V AC	
	Imballo Package	Matasse mt.100 in termoretraibile - Bobine 100 m thermo-shrinking material coils - Drums	

NORME RIF. GENERALI / GENERAL REFERENCE

EN 50575:2014 + EN 50575/A1:2016, CEI UNEL 35324

IDENTIFICAZIONE CONDUTTORI / CORE IDENTIFICATION

CEI UNEL 00722

FG16OM16 0,6/1 kV Cca

Formazione Construction	Diametro indicativo conduttore Approximate conductor diameter	Spessore medio isolante Insulation medium thickness	Diametro esterno max Max external diameter	Resistenza elettrica max a 20° C Max electric resistance at 20°C	Peso indicativo cavo Approximate cable weight	Portata di corrente in aria a 30°C Current carrying capacities in air 30°C
n x mm ²	mm	mm	mm	Ohm/km	kg/km	(A)
2 x 1.5	1.6	0.7	9.6	13.3	148	22
2 x 2.5	1.9	0.7	10.6	7.98	186	30
2 x 4	2.5	0.7	11.7	4.95	240	40
2 x 6	3.0	0.7	12.7	3.30	295	51
2 x 10	4.0	0.7	14.8	1.91	435	69
2 x 16	5.0	0.7	16.6	1.21	585	91
2 x 25	6.2	0.9	20.8	0.780	860	119
2 x 35	7.6	0.9	23.0	0.554	1115	146
2 x 50	8.9	1.0	26.6	0.386	1520	175
2 x 70	10.5	1.1	29.6	0.272	2020	221
2 x 95	12.5	1.1	34.0	0.206	2680	265
2 x 120	13.7	1.2	37.4	0.161	3320	305
2 x 150	15.0	1.4	41.6	0.129	4150	334

Formazione Construction	Diametro indicativo conduttore Approximate conductor diameter	Spessore medio isolante Insulation medium thickness	Diametro esterno max Max external diameter	Resistenza elettrica max a 20° C Max electric resistance at 20°C	Peso indicativo cavo Approximate cable weight	Portata di corrente in aria a 30°C Current carrying capacities in air 30°C
n x mm ²	mm	mm	mm	Ohm/km	kg/km	(A)
3 x 1.5	1.6	0.7	10.1	13.3	166	19.5
3 x 2.5	1.9	0.7	11.2	7.98	215	26
3 x 4	2.5	0.7	12.3	4.95	275	35
3 x 6	3.0	0.7	13.4	3.30	350	44
3 x 10	4.0	0.7	15.7	1.91	520	60
3 x 16	5.0	0.7	17.6	1.21	715	80
3 x 25	6.2	0.9	22.1	0.780	1065	105
3 x 35	7.6	0.9	24.5	0.554	1395	128
3 x 50	8.9	1.0	28.4	0.386	1905	154
3 x 70	10.5	1.1	31.9	0.272	2585	194
3 x 95	12.5	1.1	35.4	0.206	3320	233
3 x 120	13.7	1.2	39.0	0.161	4125	268
3 x 150	15.0	1.4	43.6	0.129	5210	300
3 x 185	17.7	1.6	51.7	0.106	6640	340
3 x 240	19.9	1.7	59.0	0.0801	8710	398
3 x 300	22.4	1.8	65.4	0.0641	10920	455

MULTISTANDARD
CABLES

CONTROL
CABLES

DATA
CABLES

ENERGY
CABLES

SPECIAL
CABLES

SHIELDED
CABLES

ARMOURED
CABLES

UTILITIES

FG16OM16 0,6/1 kV Cca

MULTISTANDARD
CABLES

CONTROL
CABLES

DATA
CABLES

ENERGY
CABLES

SPECIAL
CABLES

SHIELDED
CABLES

ARMOURED
CABLES

UTILITIES

Formazione Construction	Diametro indicativo conduttore Approximate conductor diameter	Spessore medio isolante Insulation medium thickness	Diametro esterno max Max external diameter	Resistenza elettrica max a 20° C Max electric resistance at 20°C	Peso indicativo cavo Approximate cable weight	Portata di corrente in aria a 30°C Current carrying capacities in air 30°C
n x mm ²	mm	mm	mm	Ohm/km	kg/km	(A)
4 x 1.5	1.6	0.7	10.8	13.3	189	19.5
4 x 2.5	1.9	0.7	12.0	7.98	245	26
4 x 4	2.5	0.7	13.3	4.95	325	35
4 x 6	3.0	0.7	14.5	3.30	415	44
4 x 10	4.0	0.7	17.7	1.91	625	60
4 x 16	5.0	0.7	19.9	1.21	870	80
4 x 25	6.2	0.9	24.1	0.780	1300	105

Formazione Construction	Diametro indicativo conduttore Approximate conductor diameter	Spessore medio isolante Insulation medium thickness	Diametro esterno max Max external diameter	Resistenza elettrica max a 20° C Max electric resistance at 20°C	Peso indicativo cavo Approximate cable weight	Portata di corrente in aria a 30°C Current carrying capacities in air 30°C
n x mm ²	mm	mm	mm	Ohm/km	kg/km	(A)
3 x 35+25	7.6/6.2	0.9/0.9	25.6	0.554/0.780	1580	128
3 x 50+25	8.9/6.2	1.0/0.9	29.7	0.386/0.780	2110	154
3 x 70+35	10.5/7.6	1.1/0.9	33.9	0.272/0.554	2920	194
3 x 95+50	12.5/8.9	1.1/1.0	38.2	0.206/0.386	3810	233
3 x 120+70	13.7/10.5	1.2/1.1	42.0	0.161/0.272	4790	268
3 x 150+95	15.0/12.5	1.4/1.1	47.0	0.129/0.206	6070	300
3 x 185+95	17.7/12.5	1.6/1.1	54.4	0.106/0.206	7450	340
3 x 240+150	19.9/15.4	1.7/1.4	62.1	0.0801/0.129	9930	398
3 x 300+150	22.4/15.4	1.8/1.4	68.8	0.0651/0.129	12200	455

Formazione Construction	Diametro indicativo conduttore Approximate conductor diameter	Spessore medio isolante Insulation medium thickness	Diametro esterno max Max external diameter	Resistenza elettrica max a 20° C Max electric resistance at 20°C	Peso indicativo cavo Approximate cable weight	Portata di corrente in aria a 30°C Current carrying capacities in air 30°C
n x mm ²	mm	mm	mm	Ohm/km	kg/km	(A)
5 x 1.5	1.6	0.7	11.7	13.3	220	19.5
5 x 2.5	1.9	0.7	13.0	7.98	290	26
5 x 4	2.5	0.7	14.5	4.95	385	35
5 x 6	3.0	0.7	15.8	3.30	495	44
5 x 10	4.0	0.7	19.3	1.91	750	60
5 x 16	5.0	0.7	21.9	1.21	1060	80
5 x 25	6.2	0.9	26.5	0.780	1590	105
5 x 35	7.6	0.9	29.5	0.554	2100	128
5 x 50	8.9	1.0	34.8	0.386	2920	154