



FG16M16 - 0,6 / 1kV

Cca - s1b, d1, a1

According to European Construction Products Regulation CPR (EU) n.305/11

Reaction to fire REGULATION 305/2011/EU

- **Standard:** EN 50575:2014+A1:2016 and EN 13501-6:2014
- **Class:** Cca-s1b, d1, a1
- **Classification (IEC UNEL 35016):** EN 13501-6
- **Heat and smoke emission during flame development:** EN 50399
- **Vertical flame spread:** EN 60332-1-2
- **Corrosive and halogenated gases:** EN 60754-2
- **Smoke density:** EN 61034-2

Reference standards

Construction Products Regulation (CPR)

CEI 20 - 13

CEI 20 - 67

CEI UNEL 35324

CEI EN 60332 -1-2

2014/35/EU

2011/65/EU

Cable description

Flexible energy cables insulated with HEPR rubber of G16 quality under special thermoplastic sheathing of M16 quality fire retardant and low emission of corrosive gases, halogen free.

Conductor

Annealed red copper with flexible round cord CLASS 5

Core isolation

HEPR high modulus rubber in G16 quality

Sheath

LS0H (Low Smoke 0 Halogen) thermoplastic coating in M16 quality

Sheath colour

Green

Labeling

Impression/ink stamping on sheathing depending on cross section every 1 m

Technical specifications

Good behaviour at high temperatures, very low emission of fumes, toxic and corrosive gases, flame retardant, fire retardant and zero halogen.

Rated voltage: U₀/U: 0.6/1 kV a.c. - 1.5 kV d.c.

Maximum operating temperature: 90° C

Minimum operating temperature: -15° C

Maximum short circuit temperature: 250° C

Installation conditions

Minimum installation temperature: 0° C

Recommended minimum bending radius: 4 times the cable diameter

Maximum recommended tensile stress: 50 N/mm² of copper section

Packaging

- Hanks 100 metres
- Wooden reel

Applications

Cables used for supplying and transporting energy in residential buildings, places with a high number of people (schools, subways, discos, theatres, shopping centres, etc.), construction sites and industry.

Suitable for installation on walls, metal structures, ducts, pipes and similar, for use indoors, even in wet rooms, and outdoors. It can also be directly and indirectly buried.

Conductor number N	Nominal Section	Indicative conductor diameter	Average thickness Insulation	Maximum outer diameter	Indicative weight Kg/km	Electrical resistance at 20° C. Maximum
1 x	10	4	0,7	9,40	152	1,91
	16	5	0,7	10,4	215	1,21
	25	6,2	0,9	12,4	315	0,780
	35	7,6	0,9	13,4	395	0,554
	50	8,9	1	15,7	550	0,386
	70	10,5	1,1	17,4	750	0,272
	95	12,5	1,1	19	970	0,206
	120	13,8	1,2	21,2	1225	0,161
	150	15,4	1,4	23,8	1545	0,129
	185	17,5	1,6	26	1865	0,106
	240	19,5	1,7	29,2	2410	0,0801
300	22	1,8	32	2950	0,0641	