



# FG16M16

Power cable 0,6/1 kV with Cu conductors, rubber G16 insulated and HFFR sheathed

## APPLICATION

Reference Guidance CEI 20-67:

Particularly suitable for places where there is a risk of fire and high presence of people where it is essential to guarantee the preservation and preservation of plants and equipment from the attack of corrosive gases (offices, schools, supermarkets, cinemas, theaters, discos etc.). Suitable to be used indoor or outdoor, even in wet environments; it can be fixed on walls or metal structures, free in air, inside pipes or similar system. Suitable also for laying underground.

## CONSTRUCTION

Conductors: Cu, class 5 according to EN 60228

Insulation: Rubber compound G16 quality

Sheath: LSOH compound M16 quality, green

## TECHNICAL CHARACTERISTICS

CPR class: Cca – s1,d1,a1

Test voltage: 4 kV

Rated voltage: 0,6/1 kV

Bending radius (min): single-core- 4D

Min. installation temperature: 0°C

Min. working temperature: -15°C

Max. working temperature: 90°C

Max. short-circuit temperature: 250°C

Max. tensile stress: 50 N/mm<sup>2</sup>

## STANDARD

CEI 20-13, IEC 60502-1

## CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

● Black

Outer Sheath Colour:

● Green

*Other colours available on request*

## CERTIFICATION



NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	APPROX. CONDUCTOR Ø	AVERAGE INSULATION THICKNESS	AVERAGE SHEATH THICKNESS	CURRENT CAPACITY UNDERGROUND IN PIPE, 20°C	CURRENT CAPACITY IN PIPE IN AIR, 30°C	APPROX. OUTER DIAMETER	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>	Ω/km	mm	mm	mm	A	A	mm	kg/km
1x10	1,910	4,0	0,7	1,4	59	66	8,4	145
1x16	1,210	5,0	0,7	1,4	77	88	9,3	200
1x25	0,780	6,2	0,9	1,4	100	117	11,0	295
1x35	0,554	7,6	0,9	1,4	121	144	12,1	390
1x50	0,386	8,9	1,0	1,4	150	175	13,9	525
1x70	0,272	10,5	1,1	1,4	184	222	15,4	720
1x95	0,206	12,5	1,1	1,5	217	269	17,3	940
1x120	0,161	13,7	1,2	1,5	259	312	18,9	1165
1x150	0,129	15,0	1,4	1,6	287	355	21,2	1470
1x185	0,106	17,7	1,6	1,6	323	417	24,4	1890
1x240	0,0801	19,9	1,7	1,7	379	490	27,5	2310
1x300	0,0641	22,4	1,8	1,8	429	-	30,5	2900

Permissible current rating values are according to:

- three-phase circuit
- laying depth of 0,8 m for buried cables

K = 1 - resistivity of the ground equal to 1,0 K-m/W

K = 1,5 - resistivity of the ground equal to 1,5 K-m/W

