

FG16M16 Power Cable 1.5mm to 630mm



For indoor and outdoor installations, also in wet locations; for fixed installation on masonry or on metallic structures; direct laying in earth is permitted.

These cables are suitable for general applications in construction works subject to fire reaction requirements; for bundle installations with high risk of fire due to the high crowd density or due to the long time for displacement or to the big damage to animals or things, according to the standard CEI 64-8/7 having fire reaction class Cca-s1b,d1,a1.

Their use is suitable in places at risk of explosion or fire, which include thermal power stations and power stations, chemical and petrochemical plants, steelworks, fuel installations.

Further information and warnings for the use of these cable is given in the CEI 20-67's Standard.

Key Features



Installation Guidelines

Should not be installed at temperatures below 0°C



Voltage Rating

900/1500 V DC



Voltage Rating

600/1200 Volts AC
1.8 KV DC



Voltage Rating

600/1000 Volts



Minimum Bending Radius

4 x Overall Diameter



Oils, Greases and Chemicals Resistant

Yes



Water Resistance

AD7



Temperature Limits

Ambient Temperature: -15°C to + 90°C



Temperature Limits

Maximum short-circuit temperature:
250°C



CPR Compliant

Yes

Construction

- **Conductor:** Flexible, plain copper wire, class 5
- **Insulation:** G16 Hard Grade Ethylene Propylene Rubber (HEPR)
- **Filler:** Thermoplastic filler with reduced emission of corrosive gases
- **Outer Sheath:** M16 quality thermoplastic compound
- **Sheath Colour:** Green

Standards

- UNI EN 13501-6
- CEI 20-13
- CEI UNEL 35324
- EN 50399
- EN 50575:2014+A1:2016
- IEC 60754-2
- IEC 61034-2
- BS EN/IEC 60332-1-2
- IEC 60228

Core Colours

Single Core : Black

FG16M16 Power Cable 1.5mm to 630mm - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Max Resistance at 20°c (Ω/km)	Outside Diameter(mm)	Weight(Kg/Km)
FG16M161X1/5	1.5	1	13.3	8.2	75
FG16M161X2/5	2.5	1	7.98	8.7	94
FG16M161X4	4	1	4.95	9.3	113
FG16M161X6	6	1	3.30	9.9	136
FG16M161X10	10	1	1.91	10.9	189
FG16M161X16	16	1	1.21	11.4	246
FG16M161X25	25	1	0.78	13.2	343
FG16M161X35	35	1	0.554	14.6	438
FG16M161X50	50	1	0.386	16.4	590
FG16M161X70	70	1	0.272	18.3	785
FG16M161X95	95	1	0.206	20.4	1003
FG16M161X120	120	1	0.161	22.4	1250
FG16M161X150	150	1	0.129	24.8	1540
FG16M161X185	185	1	0.106	27.2	1900
FG16M161X240	240	1	0.0801	30.4	2410
FG16M161X300	300	1	0.0641	33	3031
FG16M161X500	500	1	0.0384	39	4900
FG16M161X630	6300	1	0.0287	43.4	6257

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