# FG16M16 Power Cable - 1.5mm² to 630mm²



## Description

FG16M16 Power Cable | 0.6/1kV | Fire Resistant | Cca-s1b,d1,a1

## Key Features

**Voltage Rating**
600/1000 V AC
900/1500 DC
600/1200 Volts AC
1800V DC

**Minimum Bending Radius**
4 x Overall Diameter

**Oils, Greases and Chemicals Resistant**
Yes

**Flame Retardancy**
BS EN/IEC 60332-1-2

**Temperature Limits**
Temperature Range: -15°C to + 90°C
Maximum short-circuit temperature: 250°C

**CPR Compliant**
Yes

## Core Colours

Single Core : Black

## Standards

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

## Construction

- **Conductor**: Class 5 flexible, plain copper wire
- **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

## Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

**Cleveland Cable Test & Training Lab**
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

**CPR**
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

## Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

**ecovadis**
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

## FG16M16 Power Cable - 1.5mm² to 630mm² - Dimensions

| Reference | Conductor Size (mm2) | 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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