

# ActiFi™ Composite Cable, Indoor, Interlocking Armored, Plenum 12 F, 12 Cu Conductor, 16 AWG

CORNING

## Part Number: **012ZT8-M1Y01MA3**

ActiFi™ Composite Cables provide the ultimate solution for indoor remote powering in applications such as distributed antenna systems, optical networks, small cells and more. The design uses a 12-fiber cable with 12 copper conductors rated at 300 VAC. These cables are suitable for use with Digital Electricity™ and +/-190VDC installations in accordance with NEC Article 830.15. They may also be used with low-voltage installations in accordance with NEC Article 725.

ActiFi™ Composite Cables also provide a time- and cost-saving solution for installations requiring remotely powered equipment. By integrating copper and fiber in one cable, composite cables eliminate the need to install separate power and fiber cables. This saves installation time, labor costs and duct or tray space.

## Features and Benefits

### Individual fibers

Easily accessible for splicing, bundled for independent routing

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### 2-in-1 composite cable design

One cable meets power and signal needs

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### Common installations

Limited power hybrid copper and fiber communication cables intended for use in buildings

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### 16 AWG copper conductor

Power transmission with flexibility in design

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### 12 fibers

Quick and easy identification

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### SMF-28® Ultra fiber

Reliable performance in challenging cable routes

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## Specifications

### Mechanical Specifications

Max. Tensile Strength, Long-Term	200 N
Max. Tensile Strength, Short-Term	667 N
Min. Bend Radius Installation	258 mm (10.16 in)
Min. Bend Radius Operation	172 mm (6.77 in)
Nominal Outer Diameter	17.2 mm (0.68 in )

### Cable Design

Fiber Count	12
Buffer Tube Color Coding	White
Number of Ripcords	2
Outer Jacket Color	Yellow
Outer Jacket Material	Flame-retardant
Buffer Tube Diameter	2 mm (0.08 in)
Conductor	16 AWG
Number of Active Tubes	1
Number of Conductors	12
Number of Tube Positions	2
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12

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## Environmental Conditions

Temperature Range, Installation	0 °C - 60 °C (32 °F - 140 °F)
Temperature Range, Operation	0 °C - 70 °C (32 °F - 158 °F)
Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)

## General Specifications

Environment	Indoor
Cable Type	Loose Tube
Fiber Category	SMF-28® Ultra fiber

## Ordering Information

Weight	385 kg/km
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## Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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## Optical Characteristics

Fiber Code	Z
Fiber Name	SMF-28® Ultra fiber
Fiber Type	Single-mode
Performance Option Code	01
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm

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## Optical Characteristics

Fiber Category

ITU-TG.657.A1



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