

ActiFi® Composite Cable Loose Tube, Outdoor, 2 F, 2 Cu Conductor, 16AWG

CORNING

Part Number:
002ZTF-D1035M20

Corning® ActiFi® Composite Class 3 Limited Power Cables provide the ultimate solution for outdoor remote powering of distributed antenna systems, optical networks, small cells and other devices at the edge of the network. Corning ActiFi® cables also provide a time- and cost-saving solution for installations requiring remotely powered equipment. By integrating linear laid copper and loose-tube fiber in one cable, ActiFi® cables eliminate the need to install separate power and fiber cables. This saves installation time, labor costs and duct or tray space. This compact and versatile design is available with an interlocking armor option for additional protection where conduit may not be feasible. When installing this cable in duct, the cable end should be sealed to prevent water ingress from the end of the cable.

Features and Benefits

2-in-1 composite cable design

One cable meets power and signal needs

Mutual capacitance between adjacent conductors

<50 pF/ft

Individual fibers

Easily accessible for termination

16 AWG copper conductor

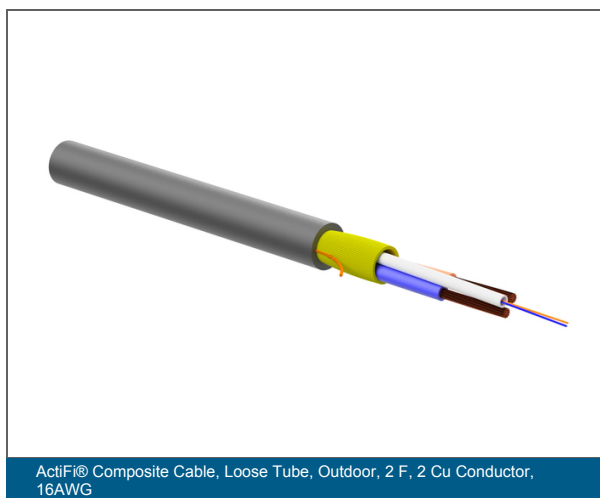
Power transmission with flexibility in design

Conductor color code

Closely follows Telcordia fiber color code

2 fiber SMF-28® Ultra fibers

Reliable performance in challenging routes



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Specifications

General Specifications

Cable Type	Loose Tube
Environment	Outdoor
Fiber Category	SMF-28® Ultra
Application	Duct
Cable geometry	Round

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC) Article 800
Design and Test Criteria	ICEA S-120-742, UL 13, 300 VAC, 80 C, ICEA S-83-596

Environmental Conditions

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

Cable Design

Central Element	Yarn
Fiber Count	2
Number of Ripcords	1
Outer Jacket Color	Black
Buffer Tube Color	White
Buffer Tube Diameter	2 mm
Conductor	16 AWG
Number of Active Tubes	1
Number of Conductors	2

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Cable Design

Number of Tube Positions	1
Fiber Coloring	Blue, Orange
Fibers per Tube	2

Mechanical Specifications

Max. Tensile Strength, Long-Term	133 N
Min. Bend Radius Installation	91 mm
Min. Bend Radius Operation	60.96 mm
Nominal Outer Diameter	6.1 mm

Dimensions

Cable Weight	210 kg/km
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Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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