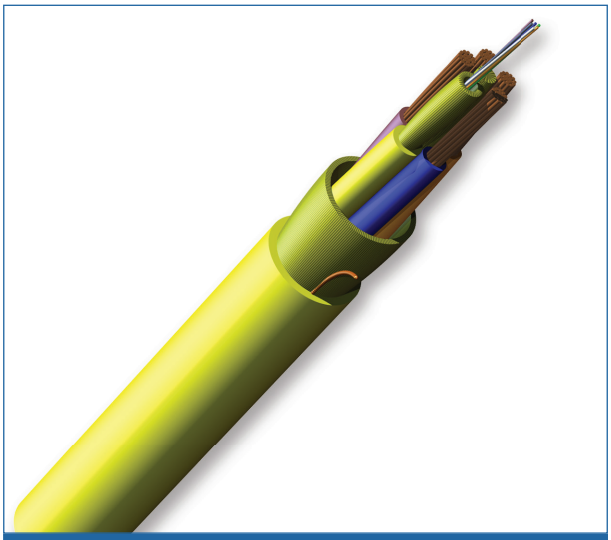
ActiFi™ Composite Cable, Loose Tube, Indoor, Plenum

6 F, 4 Cu Conductor, 16AWG

CORNING

Corning's Class 3 Limited Power Cables provide the ul-timate solution for indoor remote powering of distributed antenna systems, optical networks, small cells and more. The design uses fiber and linear laid copper conductors rated at 300 VAC. These cables are suitable for use with Digital Electricity™ and +/-190VDC installations in accor--dance with NEC Article 830.15. They may also be used with low-voltage installations in accordacne with NEC Article 725.

Corning's Class 3 Limited Power 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, CL3 cables eliminate the need to install separate power and fiber ca-bles. This saves installation time, labor costs and duct or tray space. This compact and versatile design is availab-le with an interlocking armor option for additional protecti-on where conduit may not be feasible.



Part Number: 006ZT8-41Y01M20

Features and Benefits

Mutual capacitance between adjacent conductors is <50 pF/ft

Conductor insulation material and thickness
PVC insulation, thickness varies depending on AWG size

Individual fibers
Easily accessible for splicing

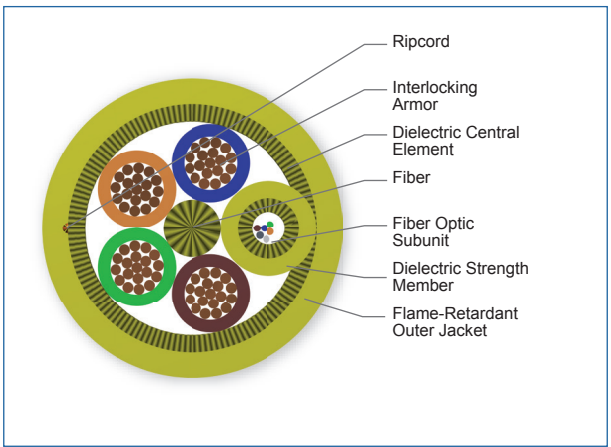
2, 4, 6, 8, 12 or 24 ClearCurve® ZBL or SMF-28® Ultra fibers
Reliable performance in challenging routes

2-in-1 composite cable design
One cable meets power and signal needs

Common Installations
Compliant with ICEA S-83-596 (compliant at tensile loads listed in the specifications table)

Conductor color code is same as Telcordia color code

12, 14, 16 or 20 AWG copper conductors
Power transmission with flexibility in design



Cross Section of Part Number: 006ZT8-41Y01M20

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Standards

Approvals and Listings	CSA certified listed to UL 444, CSA C22.2, No. 214 NEC Article 725 Class 3 (CL3P)
Design and Test Criteria	ICEA S-120-742, UL 13, 300 VAC, 80 C

Specifications

General Specifications	
Environment	Indoor
Application	Plenum
Cable Type	Loose Tube
Fiber Category	SMF-28® Ultra fiber

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

Cable Design	
Central Element	Jacketed GRP
Fiber Count	6
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White
Fibers per Tube	6
Number of Tube Positions	1
Number of Active Tubes	1
Buffer Tube Color Coding	Yellow
Buffer Tube Diameter	3.3 mm (0.13 in)
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow
Conductor	16 AWG
Number of Conductors	4

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Mechanical Characteristics Cable	
Nominal Outer Diameter	7.3 mm (0.29 in)
Min. Bend Radius Installation	110.49 mm (4.35 in)
Min. Bend Radius Operation	73.66 mm (2.90 in)
Weight	87.94 kg/km (59.09 lb/1000 ft)

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

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Name	SMF-28® Ultra fiber
Fiber Category	ITU-T G.657.A1
Fiber Code	Z
Performance Option Code	01
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Typical Attenuation	0.33 dB/km / 0.33 dB/km / 0.19 dB/km

** For more information on typical attenuation please see the Corning whitepaper at http://csmedia.corning.com/opcomm//Resource_Documents/whitepapers_rl/LAN-1863-AEN.pdf*

Ordering Information

Part Number	006ZT8-41Y01M20
Product Description	ActiFi™ Composite Cable, Loose Tube, Indoor, Plenum, 6 F, 4 Cu Conductor, 16AWG

RoHS COMPLIANT

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