MiniXtend® Cable with Binderless* FastAccess® Technology 12 F, SMF-28® Ultra fiber, Single-mode (G.652.D/G.657.A1)

Part Number:
012ZM4-T3F22A20

Corning MiniXtend® Cable with Binderless* FastAccess® Technology is an all-dielectric loose tube cable designed for microduct applications and features industry-leading fiber density. The innovative Binderless FastAccess Technology improves cable handling and reduces access time up to 70 percent while lowering risk of cable and fiber damage. The MiniXtend Cable design reduces the cable diameter by up to 50 percent (versus traditional loose tube cables) which improves fiber density for duct applications and also enables new applications which can reduce total install cost by up to 60 percent.

*Corning's patented Binderless FastAccess Technology refers to the combination of a Corning FastAccess Technology jacket with an innovative technology used to bind cable construction through the manufacturing process, eliminating the use of binder yarns and waterblocking tapes.

Features and Benefits

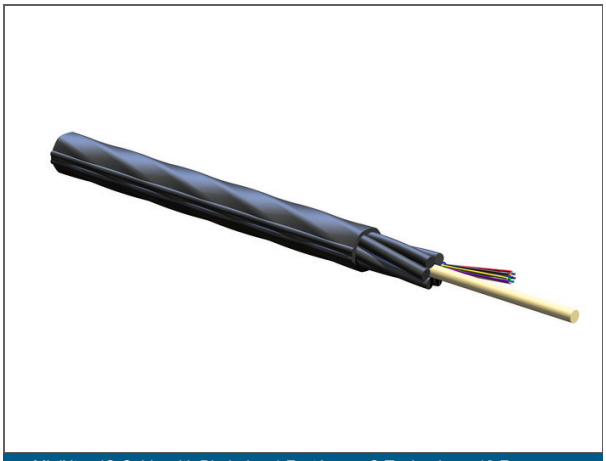
Binderless* FastAccess® Technology
Innovative cable design that reduces cable access time up to 70 percent and lowers the risk of inadvertent fiber damage

Improved cable and fiber density
Small cable OD enables higher density and lower deployment cost; up to 96 fibers in 8 mm ID duct and up to 144 fibers in 10 mm ID duct

Optimized for air-assisted install in microducts
Capable of installation distances greater than 2000 m (6560 ft) at speeds up to 150 m/min (490 ft/min)

Mid-span express buffer tube performance
Meets the Telcordia GR-20 and RDUP/RUS PE-90 requirements for mid-span express buffer tube storage

Fully waterblocked loose tube, gel-filled design
Meets industry standard waterblocking requirements for outdoor cable



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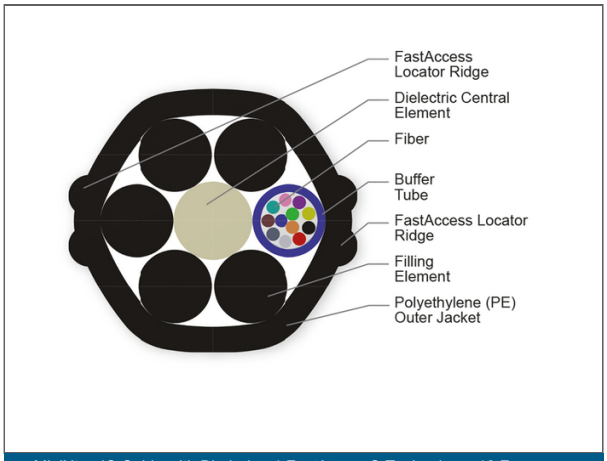

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Specifications

General Specifications	
Installation Methods	Microduct
Outer Jacket Print	Meter
Cable Type	Stranded Loose Tube
Environment	Outdoor
Product Type	Dielectric
Fiber Category	SMF-28® Ultra
Cable geometry	Round

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Common Installations	Outdoor microduct, indoor when installed according to National Electrical Code® (NEC®) Article 770
Design and Test Criteria	IEC 60794-5-10
Corning Recommendations	This cable should be placed in microduct for all applications, including aerial.

Environmental Conditions	
Temperature Range, Installation	-15 °C to 60 °C (5 °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	Dielectric
Fiber Count	12
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Buffer Tube Color	Blue

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Cable Design	
Buffer Tube Diameter	1.4 mm (0.06 in)
Number of Active Tubes	1
Number of Filling Elements	5
Number of Tube Positions	6
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Color Code Standards	Telcordia

Mechanical Specifications	
Max. Tensile Strength, Short-Term	890 N (200.08 lbf)
Nominal Outer Diameter	5.4 mm (0.21 in)
Min. Bend Diameter Installation	216 mm (8.5 in)
Min. Bend Diameter Operation	164 mm (6.46 in)
Min. Duct Size Diameter	8 mm (0.31 in)
Optimal Duct Size	10 mm (0.39 in)

Optical Characteristics	
Fiber Code	Z
Performance Option Code	22
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.22 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1

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Dimensions	
Cable Weight	23 kg/km (15.46 lb/1000 ft)

RoHS COMPLIANT

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