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

Part Number:
012ZM4-T4F22A20

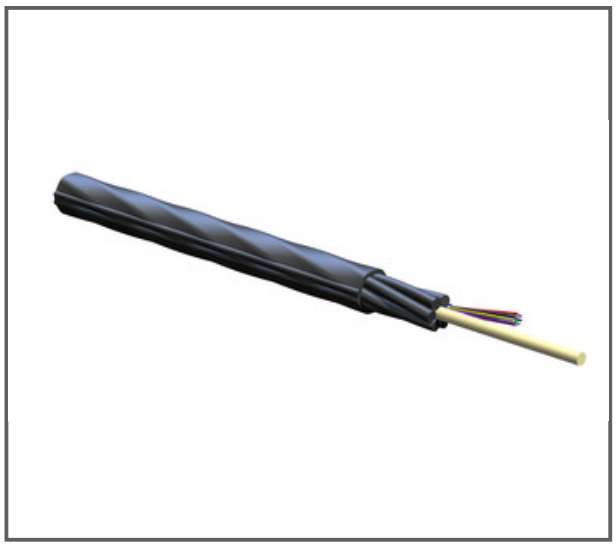
Corning MiniXtend® Cable with Binderless* FastAccess® Technology is an all-dielectric loose tube cable designed for microduct applications and features industry-leading fiber density.

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.

This cable also features Corning SMF-28® Ultra single-mode fiber which combines industry-leading attenuation and improved macrobend performance in one fiber. SMF-28 Ultra fiber is ITU-T Recommendation G.652.D compliant and also exceeds the requirements of the ITU-T Recommendation G.657.A1 standard.

* 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

SMF-28® Ultra fiber
ITU-T G.652.D/G.657.A1 rated fiber with improved attenuation and bend performance as well as compatibility with standard single-mode fibers

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

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CORNING

Specifications

Mechanical Specifications	
Max. Tensile Strength, Short-Term	890 N
Min. Bend Radius Installation	108 mm (4.25 in)
Min. Bend Radius Operation	82 mm (3.23 in)
Nominal Outer Diameter	5.4 mm (0.21 in)

Cable Design	
Central Element	Dielectric
Fiber Count	12
Buffer Tube Color Coding	Blue
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Buffer Tube Color	Blue
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

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Environmental Conditions

Temperature Range, Installation	-15 °C - 60 °C (5 °F - 140 °F)
Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Operation	-40 °C - 70 °C (-40 °F - 158 °F)

General Specifications

Environment	Outdoor
Cable Type	Stranded Loose Tube Micro Cable
Product Type	Dielectric
Fiber Category	SMF-28® Ultra fiber
Application	Microduct

Ordering Information

Weight	23 kg/km

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.

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Optical Characteristics	
Fiber Code	Z
Fiber Name	SMF-28® Ultra fiber
Fiber Type	Single-mode
Performance Option Code	22
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.22 dB/km
Typical Attenuation	0.32 / 0.32 / 0.18
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	G.652.D/G.657.A1

RoHS COMPLIANT

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