

# MiniXtend® Cable with Binderless\* FastAccess® Technology

CORNING

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**

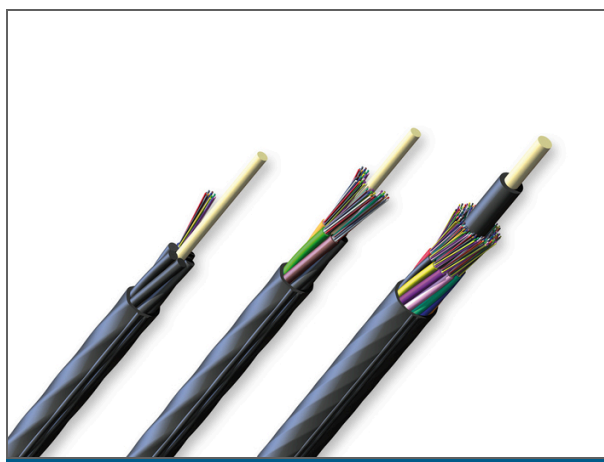
Meets the Telcordia GR-20 and RDUP/RUS PE-90 requirements for mid-span express buffer tube storage

### **SMF-28® Ultra fiber**

Ultra fibre

### **Fully waterblocked loose tube, gel-filled design**

Meets industry standard waterblocking requirements for outdoor cable



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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.

## Specifications

General Specifications	
Environment	Outdoor
Product Type	Dielectric
Cable Type	Stranded Loose Tube Micro Cable

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

Design Characteristics Cable				
Fiber Count	Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Buffer Tube Diameter
12 - 72	12	6	1 - 6	1.4 mm (0.06 in)
96	12	8	8	1.4 mm (0.06 in)
144	12	12	12	1.4 mm (0.06 in)

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## Transmission Performance

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



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