

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

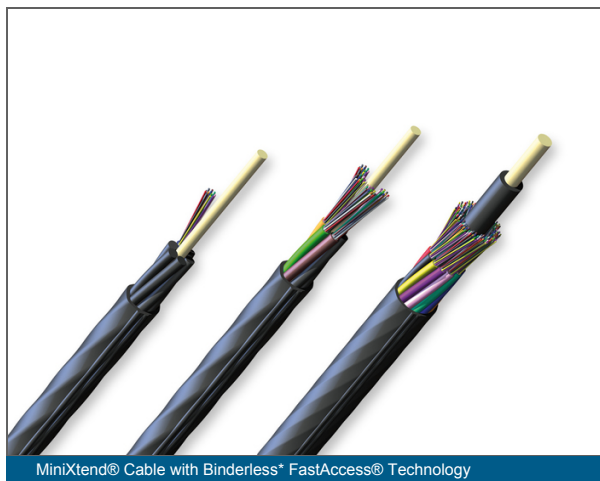
Meets the Telcordia GR-20 and RDUP/RUS PE-90 requirements for mid-span express buffer tube storage

SMF-28® Ultra fiber

ITU-T G.652.D/G.657.A1 rated fibre with improved attenuation and bend performance as well as compatibility with standard single-mode fibres

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
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Specifications

General Specifications

Environment	Outdoor
Product Type	Dielectric
Cable Type	Stranded Loose Tube

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)

Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Max. Tensile Strength, Short-Term	Min. Bend Diameter Installation	Min. Bend Diameter Operation	Cable Weight
12 - 72	5.4 mm (0.21 in)	890 N (200.08 lbf)	216 mm (8.5 in)	164 mm (6.46 in)	23 kg/km (15.46 lb/1000 ft)

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Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Max. Tensile Strength, Short-Term	Min. Bend Diameter Installation	Min. Bend Diameter Operation	Cable Weight
96	6.3 mm (0.25 in)	1334 N (299.9 lbf)	252 mm (9.92 in)	190 mm (7.48 in)	36 kg/km (24.19 lb/1000 ft)
144	8.1 mm (0.32 in)	1334 N (299.9 lbf)	324 mm (12.76 in)	244 mm (9.61 in)	56 kg/km (37.63 lb/1000 ft)

Transmission Performance

Single-mode

Fiber Name	Bend-Improved Single-mode (OS2)
Performance Option Code	22
Fiber Category	OS2
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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