

MiniXtend® Cable with Binderless* FastAccess® Technology

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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 fibre 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 fibre damage

Improved cable and fiber density

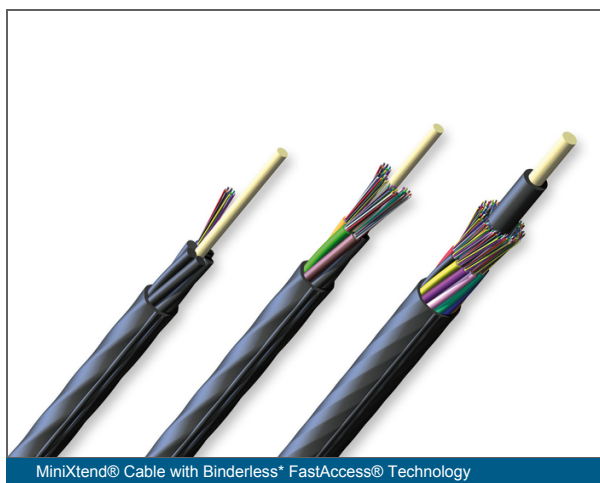
Small cable OD enables higher density and lower deployment cost; up to 96 fibres in 8 mm ID duct and up to 144 fibers in 10 mm ID duct

Optimised 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)

SMF-28® Ultra fibre

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



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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

Design Characteristics Cable

Fibre count	Fibres per tube	Number of tube positions	Number of active tubes	Buffer tube diameter
12	12	6	1	1.4 mm
12 - 72		6	1 - 6	1.4 mm
96	12	8	8	1.4 mm
144 -	12	12	12	1.4 mm

Mechanical Characteristics Cable

Fibre count	Nominal outer diameter	Min. bend radius installation	Min. bend radius operation	Crush resistance	Max. tensile strength, short-term	Cable Weight
12	5.3 mm	106 mm	80 mm		350 N	23 kg/km
12 - 24		106 mm	80 mm		350 N	23 kg/km
24	5.3 mm	106 mm	80 mm		350 N	25 kg/km
48	5.3 mm	106 mm	80 mm		350 N	23 kg/km
48	5.3 mm	106 mm	80 mm		350 N	25 kg/km

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Mechanical Characteristics Cable

Fibre count	Nominal outer diameter	Min. bend radius installation	Min. bend radius operation	Crush resistance	Max. tensile strength, short-term	Cable Weight
72	5.3 mm	106 mm	80 mm		350 N	23 kg/km
72		106 mm	80 mm		350 N	23 kg/km
96	6.3 mm	126 mm	95 mm		1000 N	36 kg/km
	8.1 mm	162 mm	122 mm	1000 N/10 cm	1000 N	
144	8.1 mm	162 mm	122 mm		1000 N	56 kg/km
144	8.1 mm	162 mm	122 mm		1000 N	55 kg/km

Transmission Performance

Single-mode

Fibre name	Bend-Improved Single-mode (OS2)	Bend-Improved Single-mode (OS2)	Single-mode (OS2)
Performance option code	20	22	22
Fibre category	OS2	OS2	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm
Fibre code	Z	Z	E
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km	0.34 dB/km / 0.34 dB/km / 0.22 dB/km	0.36 dB/km / 0.36 dB/km / 0.22 dB/km



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