

MiniXtend® HD Cable with Binderless* FastAccess® Technology

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Corning® MiniXtend® HD Cables with Binderless*

FastAccess® Technology are high-density micro cables that are up to 60 percent smaller and up to 70 percent lighter than standard loose tube cables and up to 20 percent smaller than standard micro cables.

The innovative Binderless FastAccess® Technology improves cable handling and reduces access time up to 70 percent while lowering risk of cable and fibre damage.

MiniXtend® HD cables have an SZ-stranded loose tube construction and provide high fibre counts in limited duct space in long-haul, metro and access networks.

With a low-friction PE sheath, MiniXtend® HD cables are optimized for blowing into microducts. Both the buffer tubes and the fibres contained within are color-coded for quick and easy identification.

MiniXtend HD cables feature Corning® SMF-28® Ultra 200 single-mode fibre (ITU-T G.652.D and ITU-T G.657. A1): the industry's first 200 micron fibre with a 9.2 micron mode-field diameter (MFD).

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

Reduced outer cable diameter

High fibre density in microduct systems

Compact and light

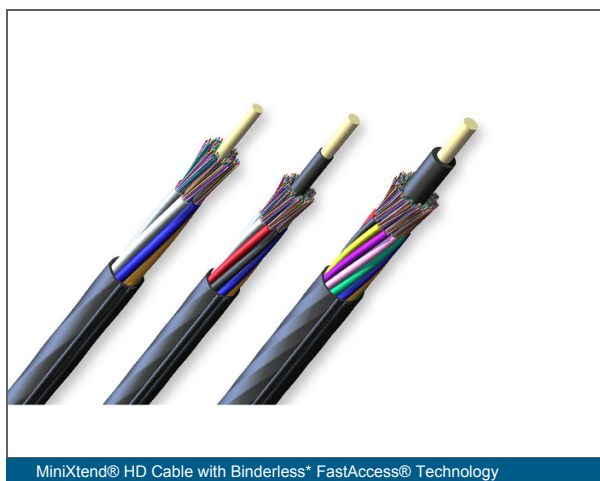
CapEx-optimised installations & upgrades

Fully-dielectric

No grounding required

Colour-coded tubes & fibres

Easy identification of tubes & 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
Cable type	Stranded Loose Tube
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)2Y

Design Characteristics Cable

Fibre count	Fibres per tube	Number of tube positions	Number of active tubes	Buffer tube diameter
12 - 72	12	6	1 - 6	1.1 mm
144	24	6	6	1.7 mm
192	24	8	8	1.7 mm
216 -	24	9	9	1.7 mm
288	36	8	8	2 mm
	36		8	2 mm
288	24	12	12	1.7 mm
432	36	12	12	2 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 - 72	4.5 mm	90 mm	68 mm		350 N	18 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
144	6.3 mm	126 mm	95 mm	1000 N/10 cm	1000 N	36 kg/km
144	6.3 mm	126 mm	95 mm		1000 N	36 kg/km
192	7.5 mm	150 mm	113 mm	1000 N/10 cm	1000 N	52 kg/km
216	8 mm	160 mm	120 mm	1000 N/10 cm	1000 N	59 kg/km
	8 mm	160 mm	120 mm	1000 N/10 cm	1000 N	
288	8.1 mm	164 mm	123 mm	1000 N/10 cm	1000 N	64 kg/km
	8.2 mm	164 mm	123 mm	1000 N/10 cm	1000 N	
288	9.7 mm	194 mm	146 mm	1000 N/10 cm	1000 N	85 kg/km
432	10.8 mm	220 mm	165 mm	1000 N/10 cm	1000 N	113 kg/km

Transmission Performance

Single-mode

Fibre name	Bend-Improved Single-mode (OS2)	SMF-28® Contour Fit	Bend-Improved Single-mode (OS2)
Performance option code	40	49	42
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	Z
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km	0.36 dB/km / 0.36 dB/km / 0.22 dB/km	0.36 dB/km / 0.36 dB/km / 0.22 dB/km

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The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

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Corning Optical Communications GmbH & Co. KG • Leipziger Strasse 121 • 10117 Berlin, Germany
+00 800 2675 4641 • FAX: • www.corning.com/opcomm/emea

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