

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 fiber damage. MiniXtend HD cables have an SZ-stranded loose tube construction and provide high fiber 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 fibers contained within are color-coded for quick and easy identification. MiniXtend HD cables feature Corning® SMF-28® Ultra 200 single-mode fiber (ITU-T G.652.D and ITU-T G.657. A1); the industry's first 200 micron fiber 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 fiber density in microduct systems

Compact and light

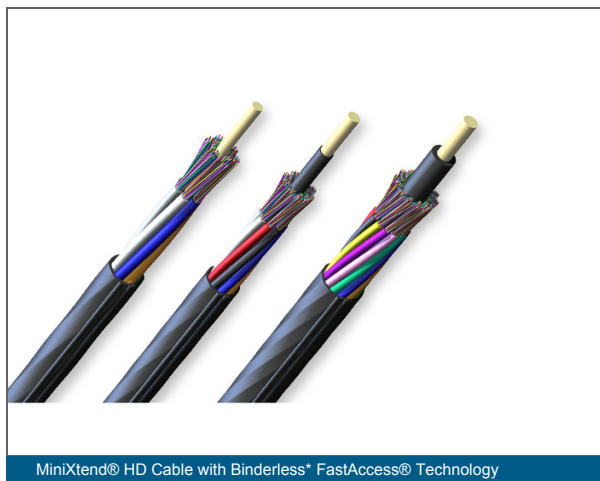
CapEx-optimized installations and upgrades

Fully dielectric

No grounding required

Color-coded tubes and fibers

Easy identification of tubes and



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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

Fiber Count	Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Buffer Tube Diameter
12 - 72	12	6	1 - 6	1.13 mm (0.04 in)
144	24	6	6	1.7 mm (0.07 in)
192	24	8	8	1.7 mm (0.07 in)
216 -	24	9	9	1.7 mm (0.07 in)
288	36	8	8	1.95 mm (0.08 in)
288	24	12	12	1.7 mm (0.07 in)
432	36	12	12	1.95 mm (0.08 in)

Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Crush Resistance	Max. Tensile Strength, Short-Term	Min. Bend Diameter Installation	Min. Bend Diameter Operation	Cable Weight
12	4.5 mm (0.18 in)				350 N (78.68 lbf)	180 mm (7.09 in)	136 mm (5.35 in)	14.7 kg/km (9.88 lb/1000 ft)

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24	4.5 mm (0.18 in)				350 N (78.68 lbf)	180 mm (7.09 in)	136 mm (5.35 in)	15.4 kg/km (10.35 lb/1000 ft)
36	4.5 mm (0.18 in)				350 N (78.68 lbf)	180 mm (7.09 in)	136 mm (5.35 in)	16 kg/km (10.75 lb/1000 ft)
48	4.5 mm (0.18 in)				350 N (78.68 lbf)	180 mm (7.09 in)	136 mm (5.35 in)	16.7 kg/km (11.22 lb/1000 ft)
72	4.5 mm (0.18 in)				350 N (78.68 lbf)	180 mm (7.09 in)	136 mm (5.35 in)	18 kg/km (12.1 lb/1000 ft)
144	6.3 mm (0.25 in)	126 mm (4.96 in)	95 mm (3.74 in)	1000 N/10 cm	1334 N (299.9 lbf)			37 kg/km (24.86 lb/1000 ft)
192	7.5 mm (0.3 in)	150 mm (5.91 in)	113 mm (4.45 in)	1000 N/10 cm	1334 N (299.9 lbf)			55 kg/km (36.96 lb/1000 ft)
	8 mm (0.31 in)	160 mm (6.3 in)	120 mm (4.72 in)	1000 N/10 cm	1000 N (224.81 lbf)			
216	8 mm (0.31 in)	160 mm (6.3 in)	120 mm (4.72 in)	1000 N/10 cm	1334 N (299.9 lbf)			59 kg/km (39.65 lb/1000 ft)
288	8.1 mm (0.32 in)	164 mm (6.46 in)	123 mm (4.84 in)	1000 N/10 cm	1334 N (299.9 lbf)			64 kg/km (43.01 lb/1000 ft)
288	9.7 mm (0.38 in)	194 mm (7.64 in)	146 mm (5.75 in)	1000 N/10 cm	1334 N (299.9 lbf)			84 kg/km (56.45 lb/1000 ft)
432	10.8 mm (0.43 in)	220 mm (8.66 in)	165 mm (6.5 in)	1000 N/10 cm	1334 N (299.9 lbf)			110 kg/km (73.92 lb/1000 ft)

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Transmission Performance

Single-mode			
Fiber Name	Bend-Improved Single-mode (OS2)	SMF-28® Contour Fit	Bend-Improved Single-mode (OS2)
Performance Option Code	40	49	42
Fiber Category	OS2	OS2	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm
Fiber 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



Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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