

MiniXtend® HD Cable with Binderless* FastAccess® Technology

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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

Reduced outer cable diameter

High fiber density in microduct systems

Compact and light

CapEx-optimized installations and upgrades

Optimized for air-assisted install in microducts

Capable of long installation distances

Fully-dielectric

No grounding required

Color-coded tubes and fibers

Easy identification of tubes and fibers

SMF-28® Ultra 200 fiber

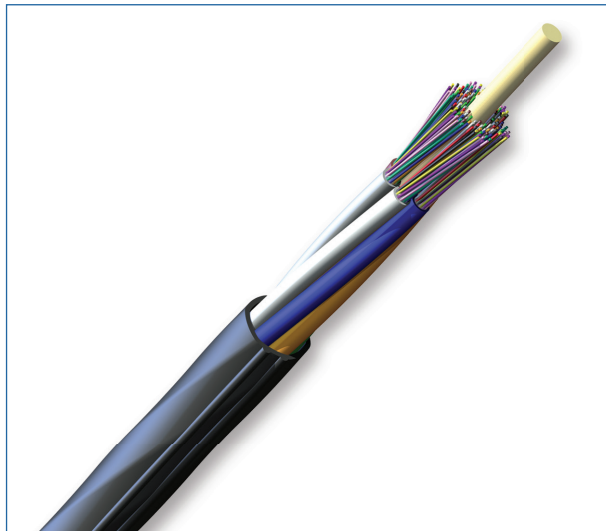
ITU-T G.652.D and G.657.A1-compliant 200 micron single-mode fiber with a 9.2 micron MFD, low loss and enhanced bend performance

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.

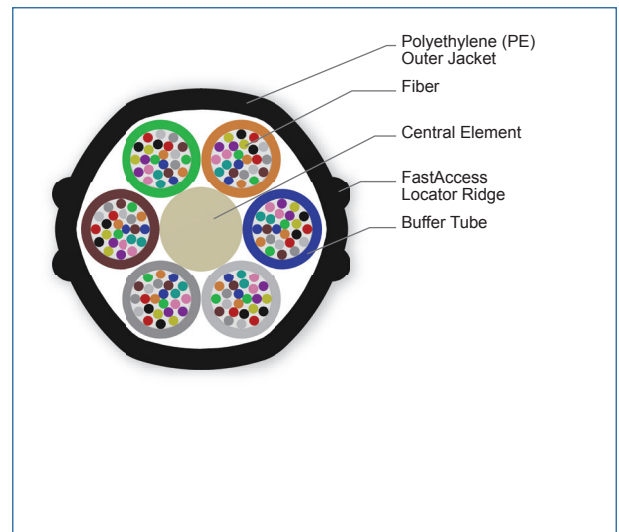
The innovative Binderless FastAccess Technology improves cable handling and reduces access time up to 70 percent while lowering risk of cable and fiber damage. MiniXtend HD cables have an SZ-stranded loose tube construction and provide high fiber counts in limited duct space in long-haul, metro and access 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).



MiniXtend® HD Cable with Binderless* FastAccess® Technology, 144 Fibers

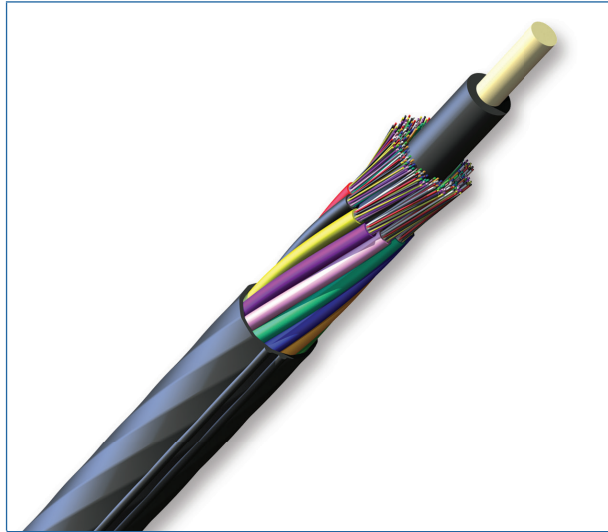


MiniXtend® HD Cable with Binderless* FastAccess® Technology, 144 Fibers

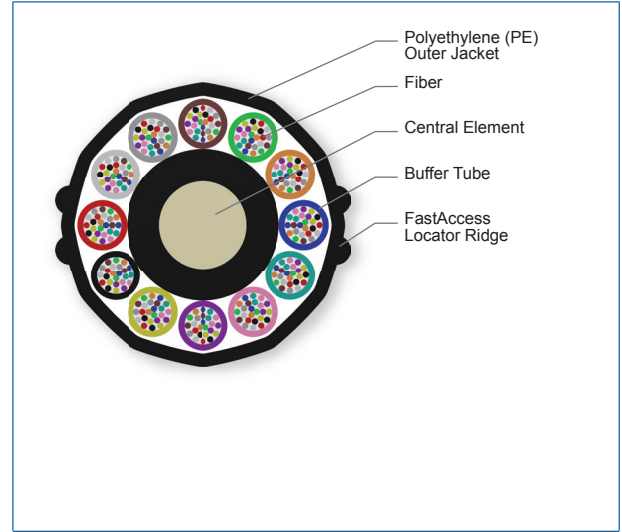
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MiniXtend® HD Cable with Binderless* FastAccess® Technology, 288 Fibers



MiniXtend® HD Cable with Binderless* FastAccess® Technology, 288 Fibers

Specifications

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

* Installation Note: Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

** For 432 Fiber count: -30°C to 70°C

Fiber Count	Nominal Outer Diameter	Weight	Max. Tensile Strength, Short-Term	Min. Bend Radius Installation	Min. Bend Radius Operation
144	6.3 mm (0.25 in)	37 kg/km (25 lb/1000 ft)	1334 N (300 lbf)	126 mm (5.0 in)	95 mm (3.7 in)
192	7.5 mm (0.30 in)	55 kg/km (37 lb/1000 ft)	1334 N (300 lbf)	150 mm (6.0 in)	113 mm (4.4 in)
216	8.0 mm (0.31 in)	59 kg/km (40 lb/1000 ft)	1334 N (300 lbf)	160 mm (6.2 in)	120 mm (4.7 in)
288	9.7 mm (0.38 in)	84 kg/km (56 lb/1000 ft)	1334 N (300 lbf)	194 mm (7.6 in)	146 mm (5.7 in)
288	8.1 mm (0.32 in)	64 kg/km (43 lb/1000 ft)	1334 N (300 lbf)	164 mm (6.4 in)	123 mm (4.8 in)
432	10.8 mm (0.43 in)	110 kg/km (74 lb/1000 ft)	1334 N (300 lbf)	220 mm (8.7 in)	165 mm (6.5 in)

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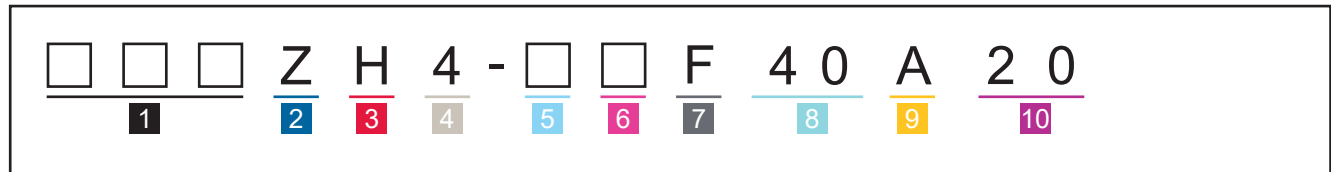


Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Transmission Performance

Single-mode	
Fiber Name	SMF-28® Ultra 200 fiber
Fiber Category	G.652.D/G.657.A1
Fiber Code	Z
Performance Option Code	40
Wavelengths (nm)	1310/1383/1550
Maximum Attenuation (dB/km)	0.34/0.34/0.20
Typical Attenuation* (dB/km)	0.32/0.32/0.18

Ordering Information | *Note: Contact Customer Care at 1-800-743-2675 for other options.*



1 Select fiber count.
144 192 216 288 432

2 Defines fiber type.
Z = Single-mode (OS2)
SMF-28® Ultra fiber

3 Defines cable type.
H = MiniXtend HD Cable
(in combination with 9: HA)

4 Defines outer jacket.
4 = Dielectric

5 Select fiber placement.
Y = 24 fibers/buffer tube
S = 36 fibers/buffer tube

6 Select length markings.
3 = Markings in meters
4 = Markings in feet (Standard)

7 Defines special jacket feature.
F = Binderless* FastAccess®
Technology

8 Defines performance option code.
40 = Single-mode (OS2)
Max. attenuation 0.34/0.34/0.20 dB/km

9 Defines cable type.
A = MiniXtend HD Cable

10 Defines special requirements.
20 = Standard construction

Note: Actual nominal outer diameter of cable may vary ± 0.3 mm.

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Notes



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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