

# MiniXtend® HD Cable

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## Features and Benefits

### Reduced outer cable diameter

High fiber density in microduct systems

### Compact and light

CapEx-optimized installations & upgrades

### Optimized cable stiffness

Long installation lengths

### Fully-dielectric

No grounding required

### Color-coded tubes & fibers

Easy identification of tubes & fibers

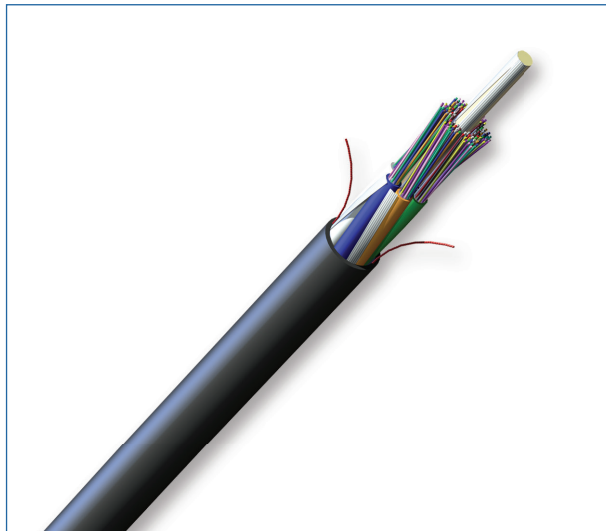
### SMF-28® Ultra 200 fiber

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

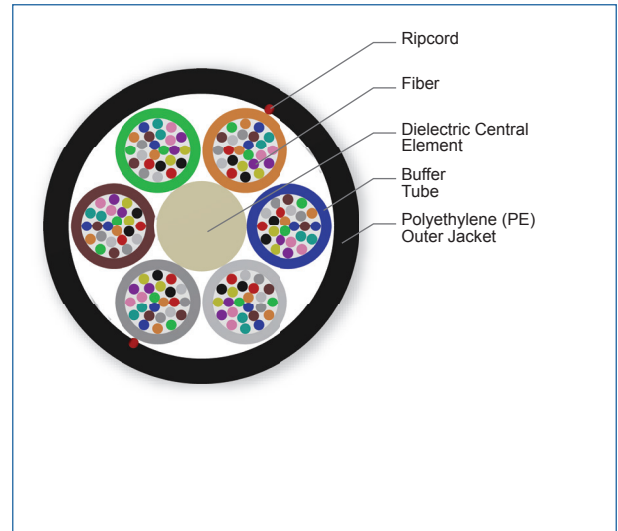
Corning® MiniXtend® HD cables are high-density micro cables that are up to 60 percent smaller and up to 70 percent lighter than standard loose tube cables and up to 20 percent smaller than standard micro cables. MiniXtend HD cables have an SZ-stranded loose tube construction and provide high fiber counts in limited duct space in long-haul, metro and access networks.

With a dual-layer tube design and 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, 144 Fibers

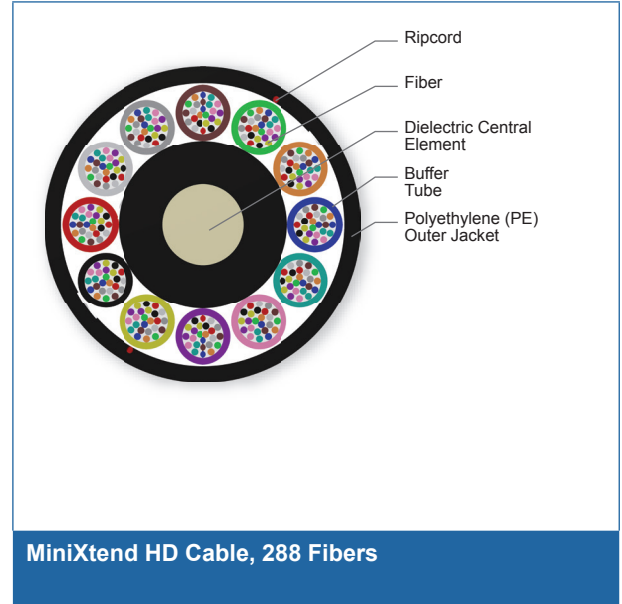
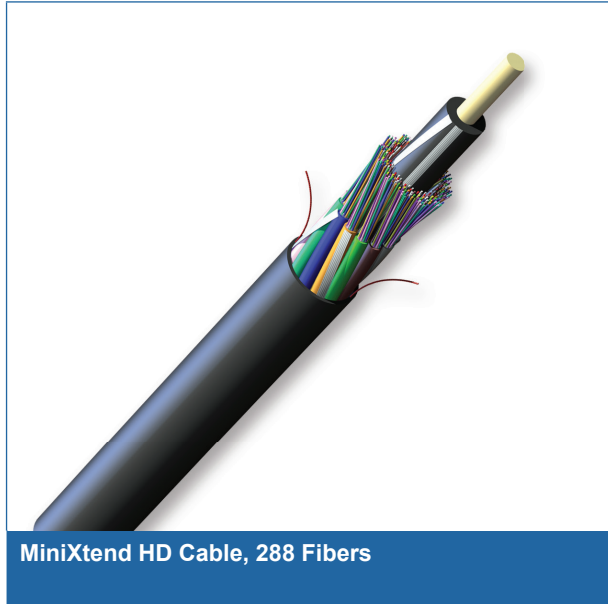


MiniXtend HD Cable, 144 Fibers

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## Specifications

Cable Design	
Fiber Coloring	1-12: blue, orange, green, brown, slate, white, red, black, yellow, violet, rose, aqua 13-24 (all with one black ring mark): blue, orange, green, brown, slate, white, red, natural, yellow, violet, rose, aqua
Buffer Tube Color Coding	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Buffer Tube Diameter	1.7 mm (0.07 in)
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Nominal Thickness	0.5 mm (0.02 in)
Outer Jacket Color	Black

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)

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Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Max. Tensile Strength, Short-Term	Weight	Crush Resistance
144	6.3 mm (0.25 in)	126 mm (5.0 in)	95 mm (3.8 in)	1334 N (300 lbf)	37 kg/km (25 lb/1000 ft)	1000 N/10 cm (570 lbf/in)
192	7.5 mm (0.30 in)	150 mm (6.0 in)	113 mm (4.4 in)	1334 N (300 lbf)	55 kg/km (37 lb/1000 ft)	1000 N/10 cm (570 lbf/in)
216	8.0 mm (0.31 in)	160 mm (6.2 in)	120 mm (4.7 in)	1334 N (300 lbf)	59 kg/km (40 lb/1000 ft)	1000 N/10 cm (570 lbf/in)
288	9.7 mm (0.38 in)	194 mm (7.6 in)	146 mm (5.7 in)	1334 N (300 lbf)	84 kg/km (56 lb/1000 ft)	1000 N/10 cm (570 lbf/in)

## Chemical Characteristics

RoHS

RoHS compliant

## 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

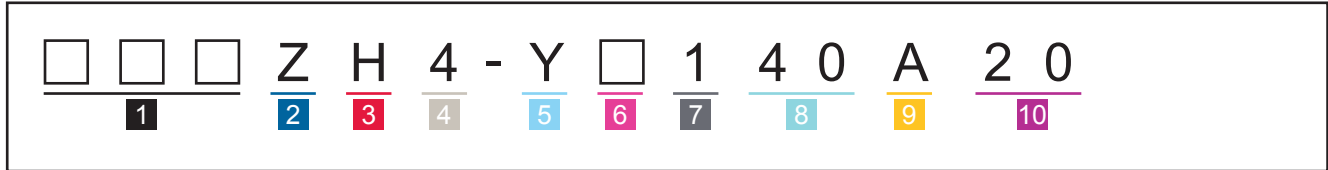
\* Typical attenuation values match the attenuation values listed in the optical fiber specifications. See [www.corning.com/opticalfiber](http://www.corning.com/opticalfiber) for Corning optical fiber specifications. Better attenuation performance options are available for some fiber and cable types. Contact Customer Care for additional fiber options.



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



**1** Select fiber count.  
144 192 216 288

**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 = Single-jacket (all-dielectric)

**5** Defines fiber placement.  
Y = 24 fibers/buffer tube

**6** Select length markings.  
3 = Markings in meters  
4 = Markings in feet

**7** Defines tensile strength.  
1 = Standard

**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

\*Maximum delivery length per drum is 6000 meters +3/-2%

\*For ordering information regarding non-standard design cables, please contact our Customer Care Center. (See bottom of page for contact information.)

\*Contact a Corning Customer Care Representative for meter cable lengths.



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