

MiniXtend® HD Cable, LT, A-DQ(ZN)2Y

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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).

Features and Benefits

Reduced outer cable diameter

High fiber density in microduct systems

Compact and light

CapEx-optimized installations and upgrades

Optimized cable stiffness

Long installation lengths

Fully dielectric

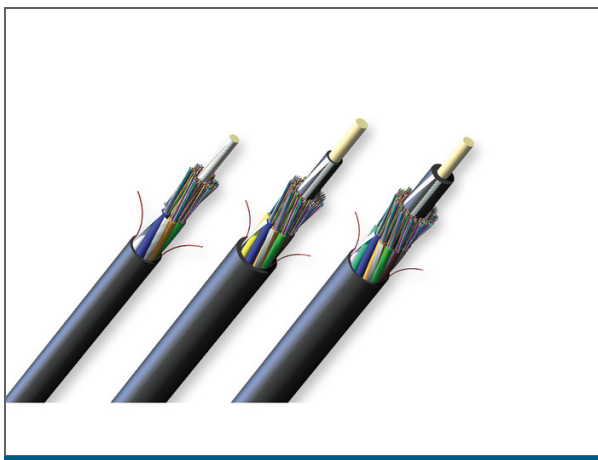
No grounding required

Color-coded tubes and fibers

Easy identification of tubes and

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



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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

Temperature Range

Temperature Range, Storage	-40 °C - 70 °C
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Design Characteristics Cable

Fiber Count	Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Buffer Tube Diameter
144	24	6	6	1.7 mm
192	24	8	8	1.7 mm
216	24	9	9	1.7 mm
288	24	12	12	1.7 mm

Mechanical Characteristics Cable

Fiber 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	95 mm	63 mm	1000 N/10 cm	1000 N	37 kg/km
144	6.3 mm	126 mm	95 mm	1000 N/10 cm	1000 N	37 kg/km

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Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Crush Resistance	Max. Tensile Strength, Short-Term	Cable Weight
192	7.5 mm	113 mm	75 mm	1000 N/10 cm	1000 N	52 kg/km
216	8 mm	120 mm	80 mm	1000 N/10 cm	1000 N	59 kg/km
216	8 mm	160 mm	120 mm	1000 N/10 cm	1000 N	59 kg/km
288	9.7 mm	146 mm	97 mm	1000 N/10 cm	1000 N	86 kg/km

Transmission Performance

Single-mode

Fiber Name	SMF-28® Ultra 200 Optical Fiber
Fiber Category	G.652.D/G.657.A1
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Code	Z
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km

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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



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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