# MiniXtend® HD Cable, LT, A-DQ(ZN)2Y

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 and 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 fibre density in microduct systems

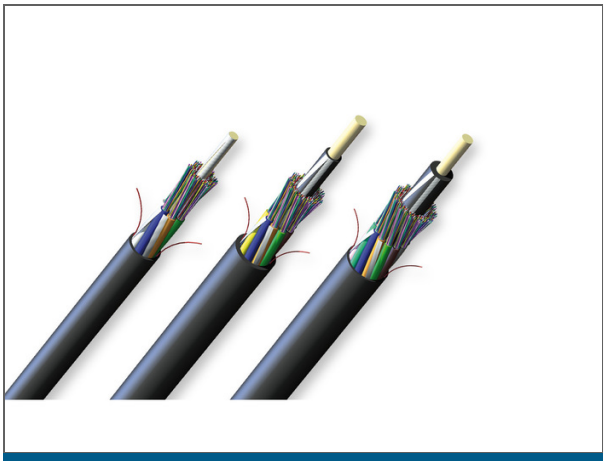
**Compact and light**
CapEx-optimised installations & upgrades

**Optimised cable stiffness**
Long installation lengths

**Fully-dielectric**
No grounding required

**Colour-coded tubes & fibres**
Easy identification of tubes & fibres

**SMF-28® Ultra 200 fibre**
ITU-T G.652.D and G.657.A1-compliant 200 micron single-mode fibre with a 9.2 micron MFD, low loss and enhanced bend performance



# MiniXtend® HD Cable, LT, A-DQ(ZN)2Y

| Standards | |
|---|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |

## Specifications

| General Specifications | |
|---|---|
| Environment | Outdoor |
| Product type | Dielectric |
| Cable type | Stranded Loose Tube |

| Temperature Range | |
|---|---|
| Temperature range, storage | -40 °C - 70 °C |

| Design Characteristics Cable | | | | |
|---|---|---|---|---|
| Fibre count | Fibres 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 | | | | | | |
|---|---|---|---|---|---|---|
| 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 | 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 | | | | | | |
|---|---|---|---|---|---|---|
| Fibre 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 | |
|---|---|
| Fibre name | SMF-28® Ultra 200 Optical Fibre |
| Fibre category | G.652.D/G.657.A1 |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Fibre code | Z |
| Maximum Attenuation | 0.34 dB/km / 0.34 dB/km / 0.20 dB/km |

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□ □ □ Z H 4 - Y 3 1 4 0 A 2 0

1 2 3 4 5 6 7 8 9 10

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

**2** Defines fibre type.
Z = SMF-28® Ultra 200 Optical Fibre

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

**4** Defines outer jacket.
4 = Single

**5** Defines fibre placement.
Y = 24 fibres/buffer tube

**6** Select length markings.
3 = Markings in metres

**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

RoHS COMPLIANT

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