

# MiniXtend® HD Cable, LT, A-DQ(ZN)2Y

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## 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

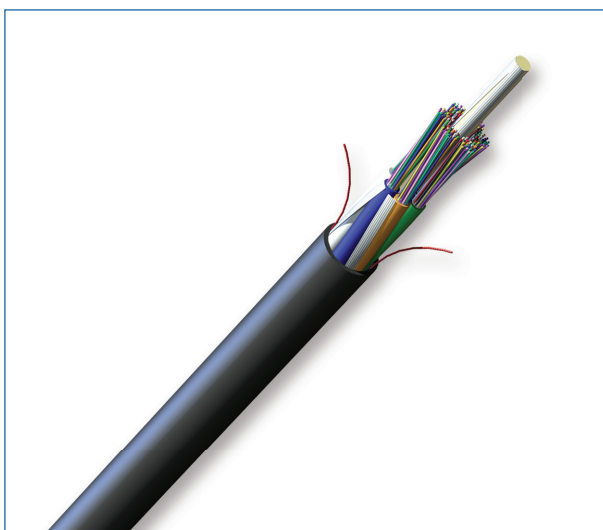
ITU-T G.652.D and G.657.A1-compliant 200 micron single-mode fibre with a 9.2 micron MFD, low loss and enhanced bend performance

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 fibre counts in limited duct space in long-haul, metro and access networks.

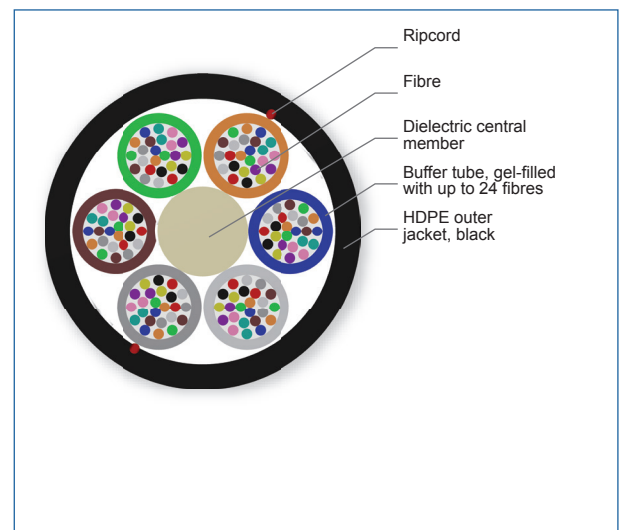
With a dual-layer tube design and a low-friction PE sheath, MiniXtend HD cables are optimised for blowing into microducts.

Both the buffer tubes and the fibres contained within are colour-coded for quick and easy identification.

MiniXtend HD cables feature Corning® SMF-28® Ultra 200 single-mode fibre (ITU-T G.652.D and ITU-T G.657.A1): the industry's first 200 micron fibre with a 9.2 micron Mode-Field Diameter (MFD).



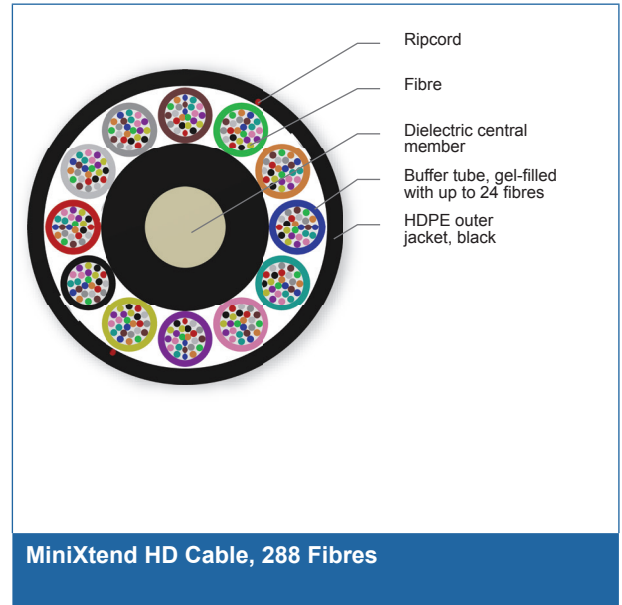
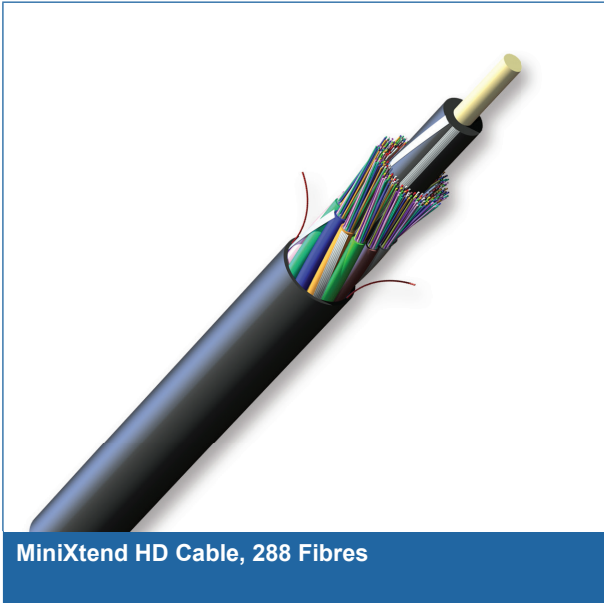
MiniXtend HD Cable, 144 Fibres



MiniXtend HD Cable, 144 Fibres

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## Specifications

Cable design	
Fibre colouring	1-12: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise 13-24 (all with one black ring mark): blue, orange, green, brown, grey, white, red, natural, yellow, violet, pink, turquoise
Buffer tube colour coding	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube diameter	1.7 mm
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket nominal thickness	0.5 mm
Outer jacket colour	black
Cable marking	Meter - Handset - Sine - CORNING - Year - MINIXTEND (R) HD CABLE nX24 E9U200 LT1.7

Temperature Range	
Installation and assembly	-15 °C to 60 °C
Operation	-40 °C to 70 °C
Storage	-40 °C to 70 °C

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## Mechanical Characteristics Cable

Fibre count	Fibres per tube	Nominal outer diameter	Weight	Min. bend radius installation	Min. bend radius operation	Max. tensile strength, short-term	Crush resistance (reversible)
144	24	6.3 mm	37 kg/km	95 mm	63 mm	1000 N	1000 N/10 cm
192	24	7.5 mm	55 kg/km	113 mm	75 mm	1000 N	1000 N/10 cm
216	24	8.0 mm	59 kg/km	120 mm	80 mm	1000 N	1000 N/10 cm
288	24	9.7 mm	84 kg/km	146 mm	97 mm	1000 N	1000 N/10 cm

## Chemical Characteristics

RoHS	RoHS compliant
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## Transmission Performance

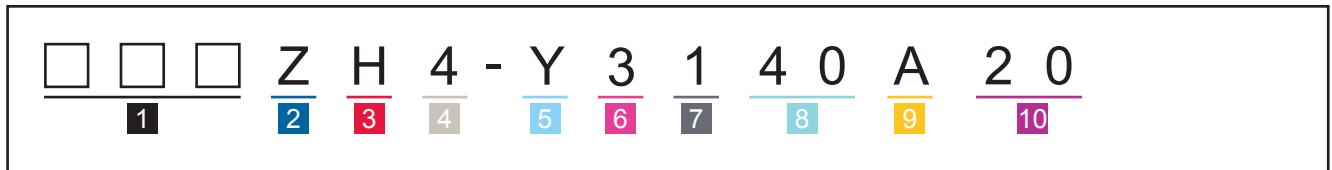
### Single-mode

Fibre name	SMF-28® Ultra 200 Optical Fibre
Mode-Field Diameter at 1310 nm (µm)	9.2
Fibre code	Z
Coating diameter (µm)	200
Cladding diameter (µm)	125
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
Serial 1 gigabit ethernet (m)	5000/-
Serial 10 gigabit ethernet (m)	10000/40000
Cable cutoff wavelength (nm)	1260
Dispersion in the range 1285 to 1330 nm (ps / (nm * km))	≤3.5
Dispersion @ 1550 nm (ps / (nm * km))	≤18
PMD Link Design Value (PS / √km)	≤0.04
PMD maximum individual fibre (PS / √km)	≤0.1
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1

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**Ordering Information** | *Note:* For other options, please contact our Customer Care at [cc.emea@corning.com](mailto:cc.emea@corning.com) or 00800 2676 4641.



**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

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

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



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