

MiniXtend® HD Cable with Binderless* FastAccess® Technology

288 F, SMF-28® Ultra fibre, Single-mode (OS2)

CORNING

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 fibre damage. 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 low-friction PE sheath, MiniXtend HD cables are optimized 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 fiber with a 9.2 micron Mode-Field Diameter (MFD).

** Corning's patented Binderless FastAccess® Technology refers to the combination of a Corning FastAccess Technology jacket with an innovative technology used to bind cable construction through the manufacturing process, eliminating the use of binder yarns and water-blocking tapes.*

Features and Benefits

Binderless FastAccess™ Technology

Innovative cable design that reduces cable access time up to 70 percent and lowers the risk of inadvertent fibre damage

Reduced outer cable diameter

High fibre density in microduct systems

Compact and light

CapEx-optimised installations & upgrades

Optimized for air-assisted install in microducts

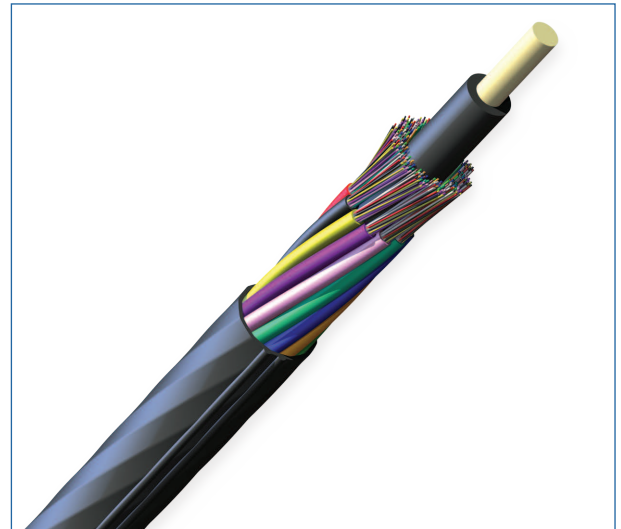
Capable of long installation distances

Fully-dielectric

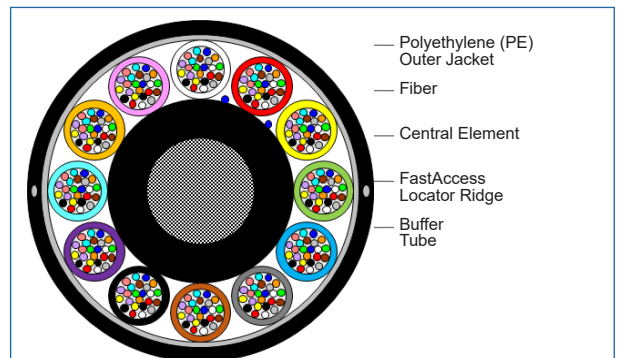
No grounding required

Colour-coded tubes & fibres

Easy identification of tubes & fibres



Part Number: 288ZH4-xxxxx20



Cross Section of Part Number: 288ZH4-xxxxxA20

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Features and Benefits

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

Specifications

| General Specifications | |
|---|---|
| Environment | Outdoor |
| Application | Microduct |
| Cable type | Stranded Loose Tube |
| Product type | Dielectric |
| Fibre category | SMF-28 [®] Ultra 200 Optical Fibre |
| Classification ITU-T | G.652.D & G.657.A1 |
| Recommended inner diameter of microduct | 12 mm |

| Temperature Range | |
|---------------------------|------------------------------------|
| Installation and assembly | -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) |

| Cable Design | |
|---------------------------|---|
| Central element | Dielectric |
| Fibre count | 288 |
| Fibre bundle colouring | 1-12: White, red, yellow, green, blue, slate, brown, black, violet, turquoise, orange, pink - 13-24: (all with black marking) White, red, yellow, green, blue, slate, brown, natural, violet, turquoise, orange, pink |
| Fibres per tube | 24 |
| Number of tube positions | 12 |
| Number of active tubes | 12 |
| Buffer tube colour coding | White, red, yellow, green, blue, slate, brown, black, violet, turquoise, orange, pink |
| Buffer tube diameter | 1.7 mm (0.07 in) |
| Outer jacket material | Polyethylene (PE) |

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Cable Design

| | |
|--------------------------------|--------|
| Outer jacket colour | Black |
| Outer jacket nominal thickness | 0.5 mm |

Mechanical Characteristics Cable

| | |
|-----------------------------------|--------------|
| Nominal Outer Diameter | 9.7 mm |
| Weight | 84 kg/km |
| Min. Bend Radius Installation | 194 mm |
| Min. Bend Radius Operation | 146 mm |
| Max. tensile strength, short-term | 1000 N |
| Crush resistance | 1000 N/10 cm |
| Water penetration (0.1bar/24 h) | ≤ 1 m |

Chemical Characteristics

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

Fibre Specifications

Optical Characteristics (cabled)

| | |
|---------------------|--------------------------------------|
| Fibre name | SMF-28® Ultra 200 Optical Fibre |
| Fibre code | Z |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Maximum attenuation | 0.36 dB/km / 0.36 dB/km / 0.22 dB/km |
| Fibre compliance | ITU-T G.652.D and ITU-T G.657.A1 |

Ordering Information

| | |
|---------------|--|
| Part Number | 288ZH4-xxxxxA20 |
| Cable marking | M#H#S#CORNING#Year#MINIXTEND(TM) HD FAB CABLE 12x24 E9U200 LT 1.7 |

Shipping Information

| | |
|-------------------------|---------|
| Maximum delivery length | 6,000 m |
|-------------------------|---------|

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The CORNING logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font centered inside.

Notes



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