MiniXtend® HD Cable with Binderless* FastAccess® Technology 288 F (36F/Tube), SMF-28® Ultra, Single-mode (G.652.D/G.657.A1)

Part Number:
288ZH4-S4F40A20

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 fiber damage.
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 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

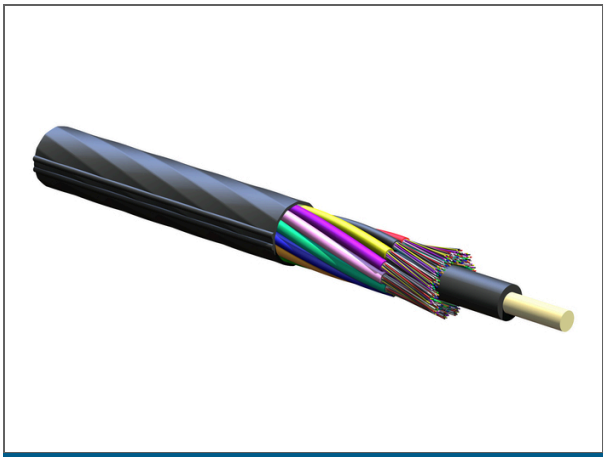
Binderless FastAccess™ Technology
Innovative cable design that reduces cable access time up to 70 percent and lowers the risk of inadvertent fibre damage

Reduced outer cable diameter
High fiber density in microduct systems

Compact and light
CapEx-optimized installations and upgrades

Fully dielectric
No grounding required

Color-coded tubes and fibers
Easy identification of tubes and



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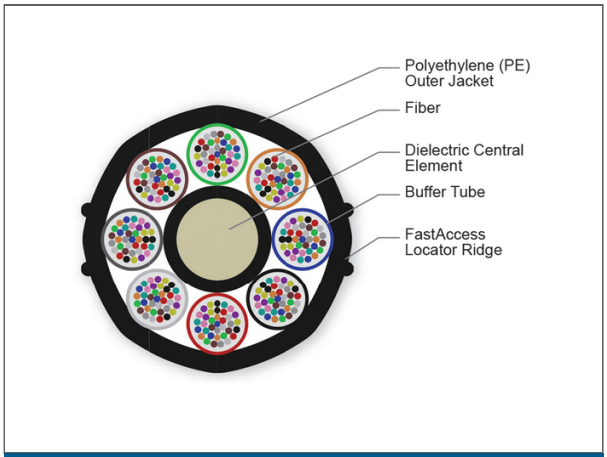

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CORNING

Specifications

General Specifications	
Cable Type	Stranded Loose Tube
Environment	Outdoor
Product Type	Dielectric
Fiber Category	SMF-28® Ultra 200 Optical Fiber
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)2Y
Application	Miniduct
Cable geometry	Round

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

Environmental Conditions	
Temperature Range, Installation	-15 °C to 60 °C (5 °F to 140 °F)
Temperature Range, Operation	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design	
Cable Marking	FT#CORNING OPTICAL CABLE#MM-YY# 288 (8x36) SM-ULTRA 200 MINIXTEND(R) HD CABLE WITH BINDERLESS FASTACCESS(R) TECHNOLOGY
Central Element	Dielectric
Fiber Count	288
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White, Red, Black
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Nominal Thickness	0.5 mm (0.02 in)
Buffer Tube Diameter	1.95 mm (0.08 in)

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Cable Design	
Number of Active Tubes	8
Number of Tube Positions	8
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	36
Color Code Standards	Telcordia

Mechanical Specifications	
Crush Resistance	1000 N/10 cm
Max. Tensile Strength, Short-Term	1334 N (299.9 lbf)
Min. Bend Radius Installation	164 mm (6.46 in)
Min. Bend Radius Operation	123 mm (4.84 in)
Nominal Outer Diameter	8.1 mm (0.32 in)
Min. Duct Size Diameter	10 mm (0.39 in)
Optimal Duct Size	12 mm (0.47 in)

Optical Characteristics	
Cable cutoff wavelength	1260 nm
Fiber Code	Z
Fiber Name	SMF-28® Ultra 200 fiber
Fiber Type	Single-mode
Performance Option Code	40
Cladding diameter	125 µm ± 0.7µm
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Fiber Bend Performance at 1550nm 7.5mm radius	≤ 0.4 dB/turn
Mode-Field Diameter at 1310 nm	8.6 µm
Mode-Field Diameter at 1550 nm	9.6 µm
Typical Attenuation	0.32 dB/km / 0.32 dB/km / 0.18 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm

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Optical Characteristics	
PMD Link Design Value	≤ 0.06 ps/(nm*km)
PMD maximum individual fiber	≤ 0.2 ps/(nm*km)
Fiber Category	G.652.D/G.657.A1

Dimensions	
Cable Weight	64 kg/km (43.01 lb/1000 ft)
Max. cable length per reel/drum	6000 m (19680 ft)

RoHS COMPLIANT

Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm