MiniXtend® HD Cable with Binderless* FastAccess® Technology 192 F, SMF-28® Ultra 200 fiber, Single-mode (OS2)

Part Number:
192ZH4-Y3F40A20

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 fiber 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 fibers

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Specifications

General Specifications	
Installation Methods	Microduct
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
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	M#H#S#CORNING#Year# MINIXTEND(R) HD FAB CABLE 8x24 E9U200 LT1.7
Central Element	Dielectric
Fiber Count	192
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	1.25 mm
Buffer Tube Diameter	1.7 mm

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Cable Design	
Number of Active Tubes	8
Number of Tube Positions	8
Cable Marking Method	Laser printing
Fiber Coloring	1-12: blue, orange, green, brown, slate, white, red, black, yellow, violet, rose, aqua - 13-24: (all with one black ring mark) blue, orange, green, brown, slate, white, red, natural, yellow, violet, rose, aqua
Fibers per Tube	24
Color Code Standards	Telcordia

Mechanical Specifications	
Crush Resistance (reversible), Outdoor Cable	1000 N/10 cm
Max. Tensile Strength, Short-Term	1000 N
Nominal Outer Diameter	7.5 mm
Min. Bend Diameter Installation	300 mm
Min. Bend Diameter Operation	226 mm
Min. Duct Size Diameter	10 mm
Optimal Duct Size	12 mm

Optical Characteristics	
Fiber Code	Z
Performance Option Code	40
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 200 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Cladding diameter	125 µm
Coating diameter	200 µm

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Optical Characteristics	
Cable cutoff wavelength	1260 nm
Mode-Field Diameter at 1310 nm	9.2 µm

Dimensions	
Cable Weight	52 kg/km
Max. cable length per reel/drum	12000 m

Ordering Information	
Product Number	192ZH4-Y3F40A20
Maximum Delivery Length	12000 m

RoHS COMPLIANT

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