MiniXtend® HD Cable, LT, A-DQ(ZN)2Y 192 F, SMF-28® Ultra, Single-mode (G.652.D/G.657.A1)

CORNING

Part Number:
192ZH4-Y3140A20

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 fiber density in microduct systems

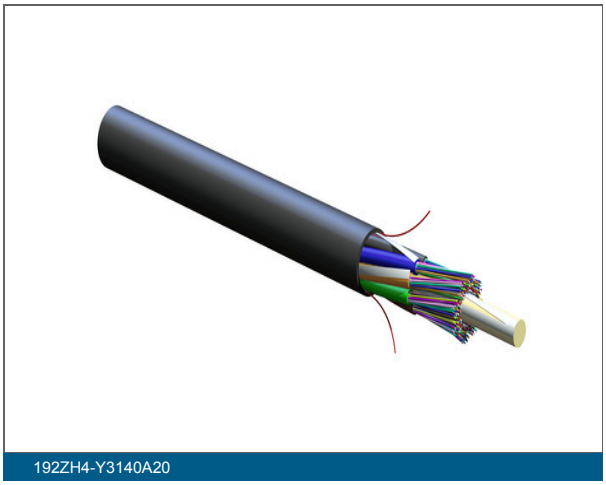
Compact and light
CapEx-optimized installations & upgrades

Optimized cable stiffness
Long installation lengths

Fully-dielectric
No grounding required

Color-coded tubes & fibers
Easy identification of tubes & fibers

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



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Specifications

Mechanical Specifications	
Crush Resistance	1000 N/10 cm
Max. Tensile Strength, Short-Term	1000 N
Min. Bend Radius Installation	113 mm
Min. Bend Radius Operation	75 mm
Nominal Outer Diameter	7.5 mm
Water penetration (0.1bar/24 h)	1 m

Cable Design	
Cable Marking	Meter - Handset - Sine - CORNING - Year -MINIXTEND (R) HD CABLE 8X24 E9U200 LT1.7
Central Element	Dielectric
Fiber Count	192
Number of Ripcords	2
Outer Jacket Color	Black
Outer Jacket Material	High Density Polyethylene (HDPE)
Outer Jacket Nominal Thickness	0.5 mm
Buffer Tube Diameter	1.7 mm
Number of Active Tubes	8
Number of Tube Positions	8
Tape	Water-swellable
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	24

Environmental Conditions	
Temperature Range, Installation	-15 °C to 60 °C
Temperature Range, Storage	-40 °C to 70 °C
Temperature Range, Operation	-40 °C to 70 °C

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General Specifications	
Environment	Outdoor
Cable Type	Stranded Loose Tube
Product Type	Dielectric
Fiber Category	SMF-28® Ultra 200 Optical Fiber
Application	Miniduct

Ordering Information	
Product Number	192ZH4-Y3140A20
EAN Code	4056418006895
Maximum Delivery Length	6000 m
Weight	55 kg/km

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

Optical Characteristics	
Cable cutoff wavelength	1260 nm
Fiber Code	Z
Fiber Name	SMF-28® Ultra 200 Optical Fiber
Fiber Type	Single-mode
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Cladding diameter	125 µm
Dispersion @ 1550 nm	18 nm
Dispersion in the range 1285 to 1330 nm	3.5 nm
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Mode-Field Diameter at 1310 nm	9.2 µm
Serial 1 Gigabit Ethernet	5000 MHz*km / - / -

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Optical Characteristics	
Serial 10 Gigabit Ethernet	10000 MHz*km / 40000 MHz*km
Typical Attenuation	0.32 / 0.32 / 0.18
Wavelengths	1310 nm / 1383 nm / 1550 nm
PMD Link Design Value	0.04 ps/(nm*km)
PMD maximum individual fiber	0.1 ps/(nm*km)
Coating diameter	200 µm

RoHS COMPLIANT

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