

MiniXtend® HD Cable, LT, A-DQ(ZN)2Y 8x24 E9/ 125 Ultra 200

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 an 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 fibre density in microduct systems

Compact and light

CapEx-optimised installations & upgrades

Optimised cable stiffness

Long installation lengths

Fully-dielectric

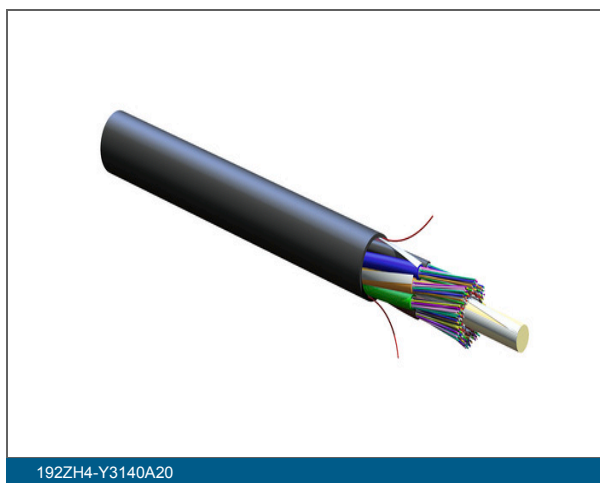
No grounding required

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



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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	Metre - Handset - Sine - CORNING - Year -MINIXTEND (R) HD CABLE 8X24 E9U200 LT1.7
Central element	Dielectric
Fibre count	192
Number of ripcords	2
Outer jacket colour	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
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres 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
Fibre category	SMF-28® Ultra 200 Optical Fibre
Application	Miniduct

Ordering Information

Maximum delivery length	6000 m
Weight	55 kg/km

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Optical Characteristics

Cable cutoff wavelength	1260 nm
Fibre code	Z
Fibre name	SMF-28® Ultra 200 Optical Fibre
Fibre Type	Single-mode
Fibre 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 / - / -
Serial 10 gigabit ethernet	10000 MHz*km / 40000 MHz*km
Typical attenuation	0.32 dB/km / 0.32 dB/km / 0.18 dB/km

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Optical Characteristics

Wavelengths	1310 nm / 1383 nm / 1550 nm
PMD Link Design Value	0.04 ps/(nm*km)
PMD maximum individual fibre	0.1 ps/(nm*km)
Coating diameter	200 µm



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