

MiniXtend® Cable, CT A-D(ZN)2Y, 1x12 F, CT, Single-mode (SMF 28e+®)

CORNING

Part Number:
012EK4-13122A20

Corning MiniXtend products are fiber optic stranded loose tube or central tube fully dielectric outdoor cable typically used in access networks when limited space is available.

With the dual layer tube design and low friction PE sheath MiniXtend cables are optimized for blowing and best used in mini or micro ducts.

The fiber in each tube are color-coded for quick and easy identification. MiniXtend are available with Corning single-mode fiber SMF 28-e™ (ITU-G 652D) or bend- improved ClearCurve® fibers (ITU-G 657 A/B).

Features and Benefits

Improved cable and fiber density

Reduced cable diameter for installation in micro ducts with 4mm minimum inner diameter

Fully-dielectric

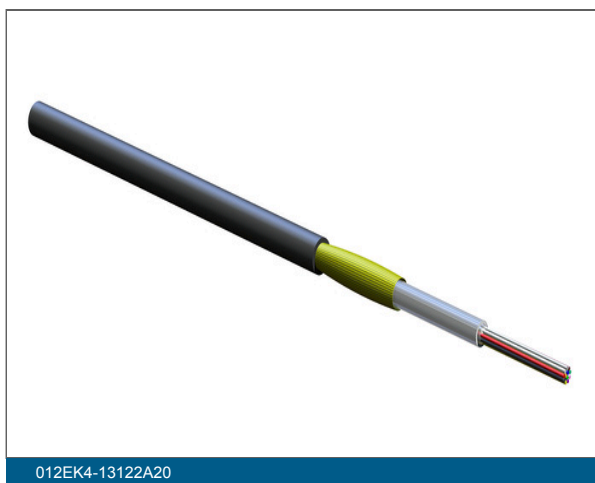
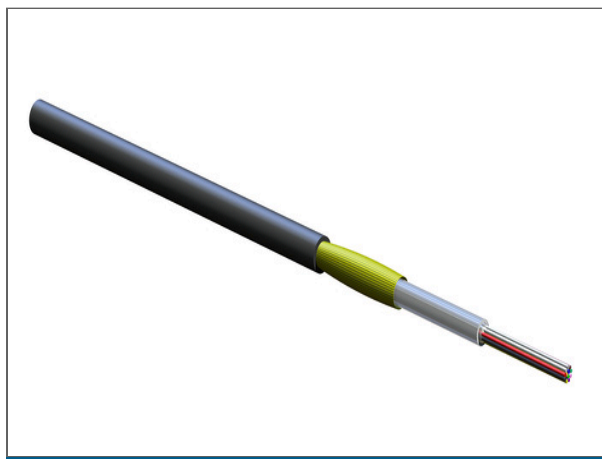
No grounding required

Optimized for air-assisted install in microducts

Capable of installation distances greater than 2000 m (6560 ft) at speeds up to 150 m/min (490 ft/min)

SMF-28e+® according to ITU-T G.652.D

Transmission security, low attenuation and polarization mode dispersion



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Specifications

Mechanical Specifications

Crush Resistance	1000 N/10 cm
Max. Tensile Strength, Short-Term	80 N
Min. Bend Radius Installation	20 mm
Nominal Outer Diameter	2.5 mm
Water penetration (0.1bar/24 h)	1 m

Cable Design

Cable Marking	Meter - Handset - D-sine - CORNING - Year - A-DQ(ZN)2Y 1x12E9/125
Fiber Count	12
Number of Ripcords	1
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Buffer Tube Diameter	1.75 mm
Cable Marking Method	Laser printing
Cable Marking Color	White
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua

Environmental Conditions

Temperature Range, Installation	-5 °C to 50 °C
Temperature Range, Operation	-20 °C to 60 °C
Temperature Range, Storage	-25 °C to 60 °C

General Specifications

Environment	Outdoor
Cable Type	Single Tube

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General Specifications

Product Type	Dielectric
Fiber Category	Single-mode (OS2)
Application	Miniduct

Ordering Information

Maximum Delivery Length	6000 m
Weight	4.5 kg/km

Standards

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

Fiber Standards	TIA/EIA-492CAAB , IEC 60793-2-50 Type B1.3 , ITU-T G.652.D , ISO/IEC 11801 Ed.2.2
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Optical Characteristics

Cable cutoff wavelength	1260 nm
Fiber Code	E
Fiber Name	E9/125 SMF28e+®
Fiber Type	Single-mode
Fiber Core Diameter	8.2 µm
Maximum Attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km
Serial 1 Gigabit Ethernet	5000 MHz*km / - / -
Serial 10 Gigabit Ethernet	10000 MHz*km / - / 40000 MHz*km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	OS2

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