

MiniXtend® Cable, CT A-D(ZN)2Y, 4 fibres, CT, single-mode (E9 G.657.A1)



Part Number:
004ZK4-13122A20

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

Features and Benefits

Improved cable and fibre density

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

Fully-dielectric

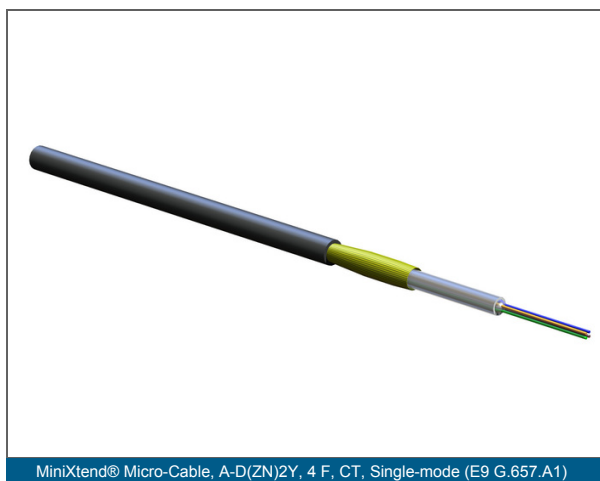
No grounding required

Optimised for air-assisted install in microducts

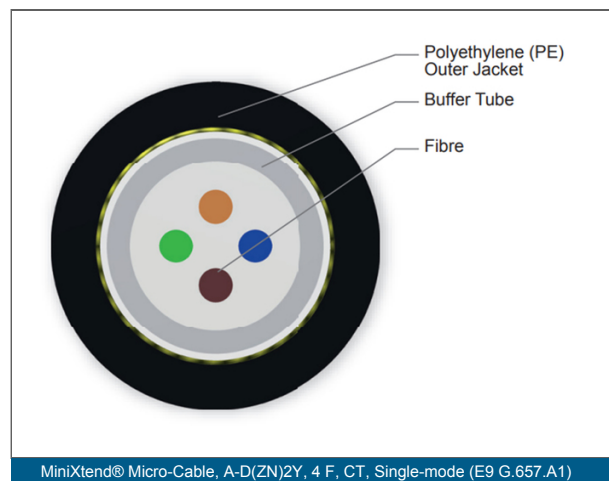
Capable of installation distances greater than 2000 m (6560 ft) at speeds up to 150 m/min (490 ft/min)

SMF-28e+® according to ITU-T G.652.D

Transmission security, low attenuation and polarization mode dispersion



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Specifications

General Specifications

Installation Methods	Microduct
Cable type	Central Tube
Environment	Outdoor
Product type	Dielectric
Fibre category	Single-mode (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-D(ZN)2Y
Cable geometry	Round

Standards

Fibre Standards	TIA/EIA-492CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652.D and ITU-T G.657.A1, ISO/IEC 11801 Ed.2.2
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

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

Cable Design

Fibre count	4
Outer jacket colour	Black
Outer jacket material	Polyethylene (PE)
Buffer tube diameter	1.75 mm
Cable marking method	Laser printing
Fibre colouring	Blue, orange, green, brown
Fibres per tube	4

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Mechanical Specifications

Crush resistance	1000 N/10 cm
Crush resistance (reversible), outdoor cable	500 N/10 cm
Max. tensile strength, short-term	80 N
Min. bend radius installation	90 mm
Min. bend radius operation	50 mm
Nominal outer diameter	2.5 mm
Min. Duct Size Diameter	3.5 mm
Optimal Duct Size	4 mm

Optical Characteristics

Fibre code	Z
Performance option code	22
Fibre category	OS2
Fibre Type	Single-mode (OS2) / 250 µm
Fibre name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.22 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1

Dimensions

Cable Weight	4.5 kg/km
Max. cable length per reel/drum	6000 m



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