

# MiniXtend® Cable, LT, A-DQ(ZN)2Y 1x12 E9/125 (OS2)

CORNING

**Part Number:**  
**012ZM4-T3120A20**

Corning MiniXtend products are fiber optic stranded loose tube or central tube fully dielectric outdoor cable typically used in Long-Haul, Metro- or 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 buffer tubes and fiber in each tube are color-coded for quick and easy identification. MiniXtend are available with Corning Single Mode Fiber SMF 28e+® & SMF 28e® ULTRA (ITU-G 652D) or bend improved ClearCurve® fibers (ITU-G 657).

## 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

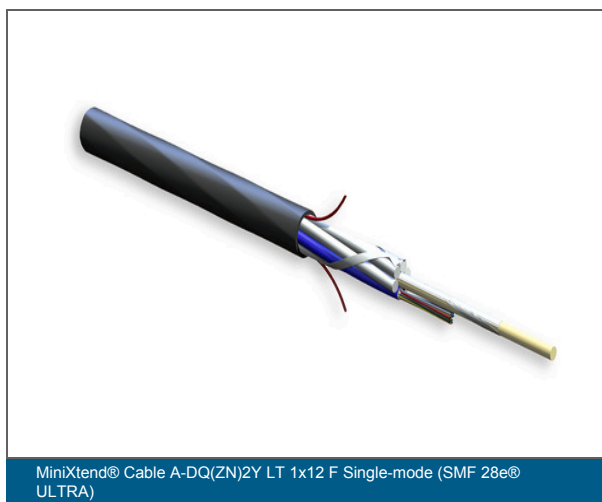
No grounding required

### Colour-coded tubes & fibres

Easy identification of tubes & fibres

### SMF-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	350 N
Min. bend radius installation	106 mm
Min. bend radius operation	79.5 mm
Nominal outer diameter	5.3 mm
Water penetration (0.1bar/24 h)	1 m

### Cable Design

Cable marking	Metre - Handset - Sine - CORNING - Year -MINIXTEND (R) CABLE 1X12 E9/125 ULTRA LT 1.4
Central element	Dielectric
Fibre count	12
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	1.4 mm
Number of active tubes	1
Number of filling elements	5
Number of tube positions	6
Tape	Water-swellaable
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12

### Environmental Conditions

Temperature range, installation	-5 °C to 40 °C
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## Environmental Conditions

Temperature range, storage	-30 °C to 70 °C
Temperature range, operation	-30 °C to 70 °C

## General Specifications

Environment	Outdoor
Cable type	Stranded Loose Tube
Product type	Dielectric
Fibre category	SMF-28® Ultra fibre
Application	Miniduct

## Ordering Information

Product Number	012ZM4-T3120A20
EAN Code	4056418062976
Maximum delivery length	4000 m
Weight	23 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	E9/125 SMF-28® Ultra
Fibre Type	Single-mode
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1
Fibre core diameter	8.2 µm

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## Optical Characteristics

Maximum Attenuation	0.34 dB/km / 0.20 dB/km
Serial 1 gigabit ethernet	5000 MHz*km / -
Serial 10 gigabit ethernet	10000 MHz*km / 40000 MHz*km
Typical attenuation	0.32 dB/km / 0.18 dB/km
Wavelengths	1310 nm / 1550 nm



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