

MiniXtend® Cable, CT

A-D(ZN)2Y, 1x12 fibres, CT, single-mode (SMF 28e+®)

CORNING

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 colour-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

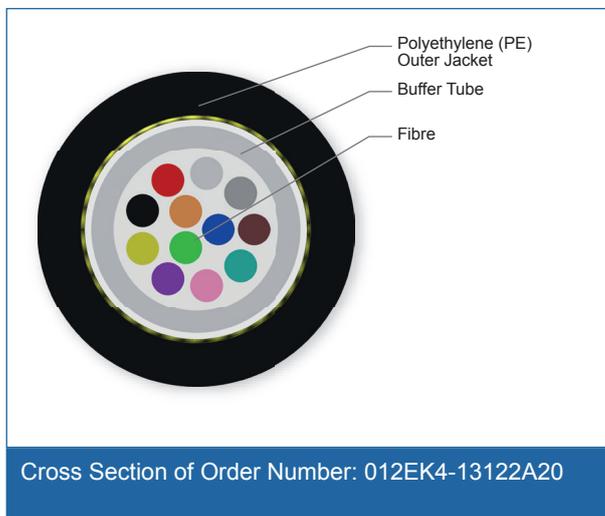
No grounding required

Optimised for air-assisted install in microducts

Capable of installation distances up to 1200m at speeds between 25 and 40m/min

SMF-28e+® according to ITU-T G.652.D

Transmission security, low attenuation and polarization mode dispersion



Specifications

General Specifications	
Environment	Outdoor
Application	Miniduct
Cable type	Central Tube
Product type	Dielectric

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General Specifications

Fibre Category	SM (OS2)
Classification ITU-T.G	652.D

Temperature Range

Installation and assembly	-5 °C to 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 60 °C

Cable Design

Fibre Count	12
Fibre colouring	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Turquoise
Buffer tube colour	Natural
Buffer tube diameter	1.75 mm
Number of ripcords	1
Outer jacket material	Polyethylene (PE)
Outer jacket colour	Black
Cable marking	Meter-handset-D-sine-CORNING-year-A-DQ(ZN)2Y 1x12E9/125
Cable marking method	Laser printing, White

Mechanical Characteristics Cable

Nominal Outer Diameter	2.5 mm
Weight	4.5 kg/km
Min. Bend Radius Installation	20 mm
Max. tensile strength, short-term	80 N
Crush resistance (reversible)	1000 N/10 cm
Water penetration (0.1bar/24 h)	≤ 1 m

Chemical Characteristics

RoHS	RoHS compliant
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Fibre Specifications

Optical Characteristics (cabled)	
Fibre name	E9/125 SMF28e+
Fibre core diameter	8.2 µm
Fibre Category	OS2
Fibre code	E
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km
Serial 1 gigabit ethernet	5000 m / - / -
Serial 10 gigabit ethernet	10000 m / - / 40000 m
Cable cutoff wavelength	1260 nm
Standards in compliance	TIA/EIA 492-CAAB IEC 60793-2-50 Type B1.3, ITU-T G.652 D, ISO/IEC 11801 Ed.2.2

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
2) Improved attenuation and bandwidth options available
3) Bend-insensitive single-mode fibres available on request.
4) Contact a Corning Customer Care Representative for additional information

Ordering Information

Part Number	012EK4-13122A20
Product Description	MiniXtend® Micro-Cable, A-D(ZN)2Y, 1x12 fibres, CT, SMF 28e+®
EAN Code	4042673448792

Shipping Information

Maximum delivery length	6,000 m
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