

MiniXtend® Cable, LT, A-DQ(ZN)2Y

2x12 E9/125 (OS2)

CORNING

Corning MiniXtend products are fibre 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 fibre in each tube are colour-coded for quick and easy identification. MiniXtend are available with Corning Single Mode Fibre SMF 28e+® & SMF 28e® ULTRA (ITU-G 652D) or bend improved ClearCurve® fibres (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

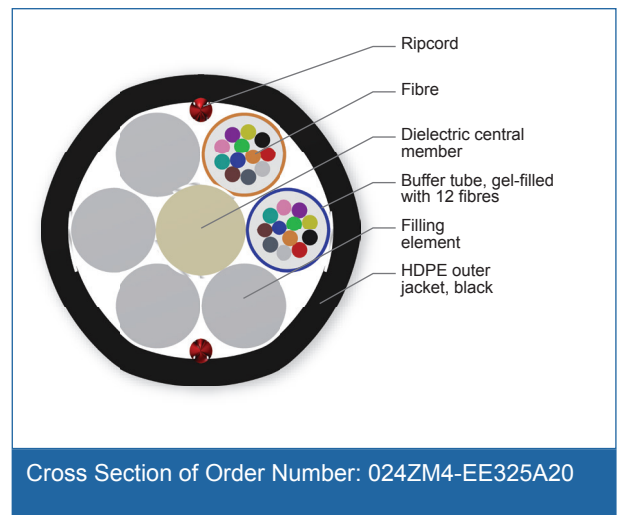
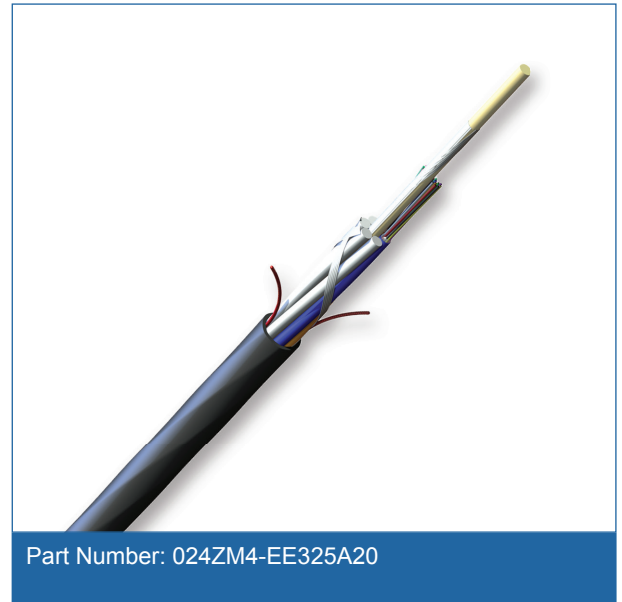
No grounding required

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

General Specifications	
Environment	Outdoor
Application	Miniduct
Recommended inner diameter of microduct	8 mm
Cable type	Stranded Loose Tube
Product type	Dielectric
Fibre Category	SM Ultra
Classification ITU-T.G	652.D

Temperature Range	
Installation and assembly	-5 °C to 40 °C
Operation	-30 °C to 70 °C
Storage	-30 °C to 70 °C

Cable design	
Central Element	Dielectric
Fibre Count	24
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12
Number of Tube Positions	6
Number of Active Tubes	2
Buffer tube colour	Blue, orange
Buffer tube diameter	1.4 mm
Number of filling elements	4
Tape	Water-swellaable
Number of ripcords	1
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket colour	black
Outer jacket nominal thickness	0.5 mm
Cable marking	FT#CORNING OPTICAL CABLE#Month-Year#H#METRONET (317) 981-8999 24 SM-ULTRA#MINIXTEND(R) CABLE

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Mechanical Characteristics Cable

Nominal Outer Diameter	5.3 mm
Weight	23 kg/km
Min. Bend Radius Installation	106 mm
Min. Bend Radius Operation	79.5 mm
Max. tensile strength, short-term	350 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 SMF-28® Ultra
Fibre core diameter	8.2 µm
Fibre code	Z
Wavelengths	1310 nm / 1550 nm
Maximum attenuation	0.34 dB/km / 0.20 dB/km
Typical attenuation	0.32 dB/km / 0.18 dB/km
Serial 1 gigabit ethernet	5000 m / -
Serial 10 gigabit ethernet	10000 m / 40000 m
Cable cutoff wavelength	1260 nm
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1

- 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

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Ordering Information

Part Number	024ZM4-EE325A20
Product Description	MiniXtend® Cable A-DQ(ZN)2Y LT 2x12 F Single-mode (SMF 28e® ULTRA)
EAN Code	4056418062969

Shipping Information

Maximum delivery length	4,000 m
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