

# MiniXtend® Cable, LT, A-DQ(ZN)2Y

6x12 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

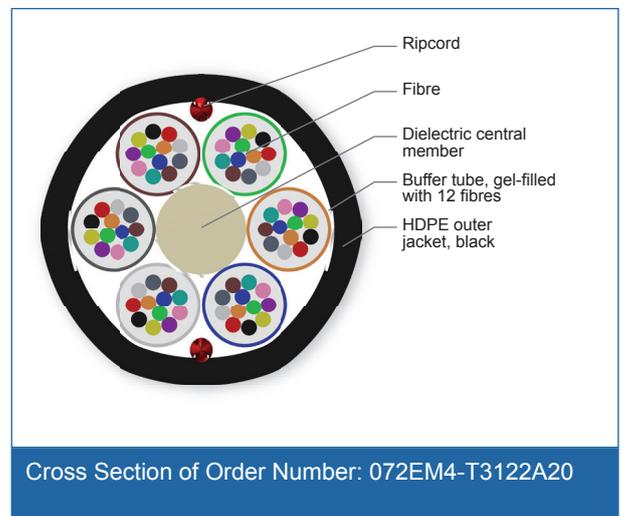
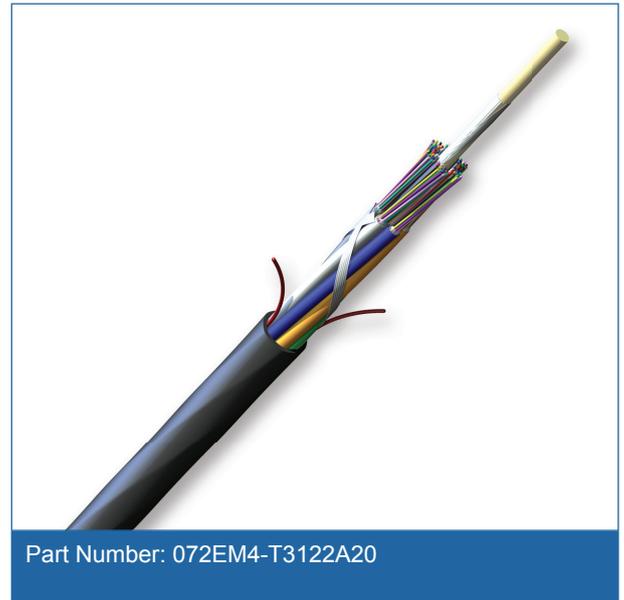
No grounding required

### 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



# MiniXtend® Cable, LT, A-DQ(ZN)2Y

6x12 E9/125 (OS2)

CORNING

## 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 (OS2)
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	72
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	6
Buffer tube colour	Blue, orange, green, brown, grey, white
Buffer tube diameter	1.4 mm
Tape	Water-swellaible
Number of ripcords	1
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket colour	black
Outer jacket nominal thickness	0.5 mm
Cable marking	Metre - Handset - Sine - CORNING - Year - MINIXTEND (R) CABLE 6X12 E9/125 LT 1.4

# MiniXtend® Cable, LT, A-DQ(ZN)2Y

6x12 E9/125 (OS2)



## 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
------	----------------

## Fibre Specifications

### Optical Characteristics (cabled)

Fibre name	E9/125 SMF28e+®
Fibre core diameter	8.2 µm
Fibre Category	OS2
Fibre code	E
Performance Option Code	22
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km
Mode-Field Diameter at 1310 nm	9.2 µm +/- 0.4
Mode field diameter at 1550 nm	10.4 µm +/- 0.5
Dispersion in the range 1285 to 1330 nm	≤ 3.5 ps / (nm * km)
Dispersion @ 1550 nm	≤ 18 ps / (nm * km)
PMD Link Design Value	≤ 0.06 PS / √km
Cable cutoff wavelength	1260 nm
Standards in compliance	TIA/EIA 492-CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652D, ISO/IEC 11801 Ed.2.2 Cat. OS2, IEC 60794-3:2001, Section 5.5, Method 1 ( m=20,Q=0,01%)

# MiniXtend® Cable, LT, A-DQ(ZN)2Y

6x12 E9/125 (OS2)



## Ordering Information

Part Number	072EM4-T3122A20
Product Description	MiniXtend® Cable, A-DQ(ZN)2Y, 6x12F, LT, Single-mode (SMF 28e+®)
EAN Code	4042673563853

## Shipping Information

Maximum delivery length	4,000 m
-------------------------	---------



Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY  
00 800 2676 4641 · FAX: +49 30 5303 2335 · [www.corning.com/opcomm/emea](http://www.corning.com/opcomm/emea)

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/emea/trademarks](http://www.corning.com/opcomm/emea/trademarks). Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2016 Corning Optical Communications. All rights reserved.