

MiniXtend® Cable, LT, A-DQ(ZN)2Y

CORNING

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

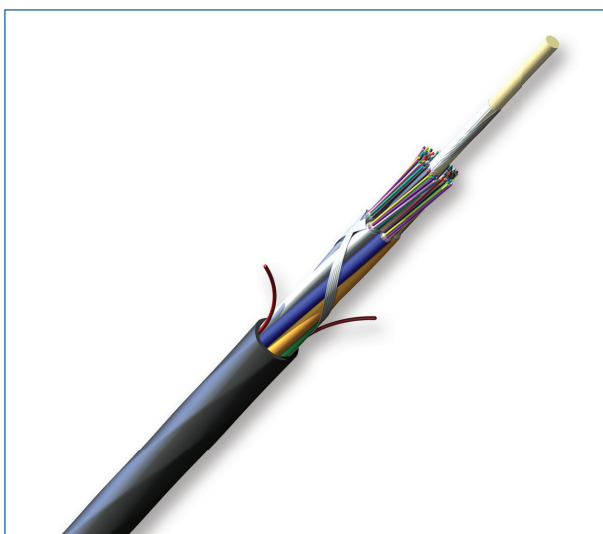
SMF-28e+® according to ITU-T G.652.D

Transmission security, low attenuation and polarization mode dispersion

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.

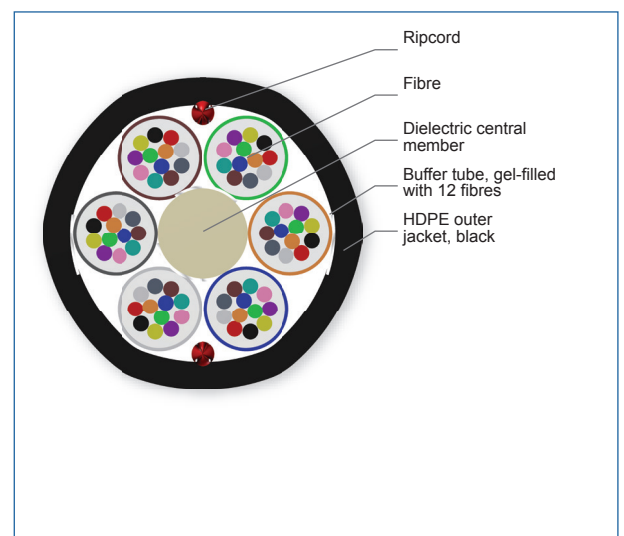
With the dual layer tube design and low friction PE sheath MiniXtend cables are optimized for blowing and best used in mini or micro ducts.

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).



MiniXtend Cable, 72 Fibres

| Photo ZA-3937

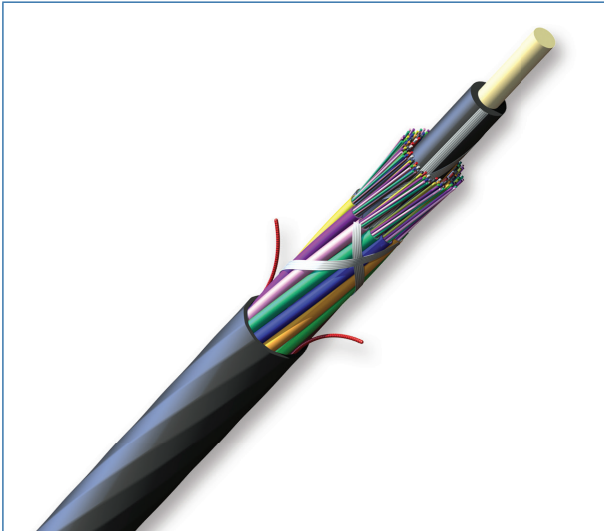


MiniXtend Cable, 72 Fibres

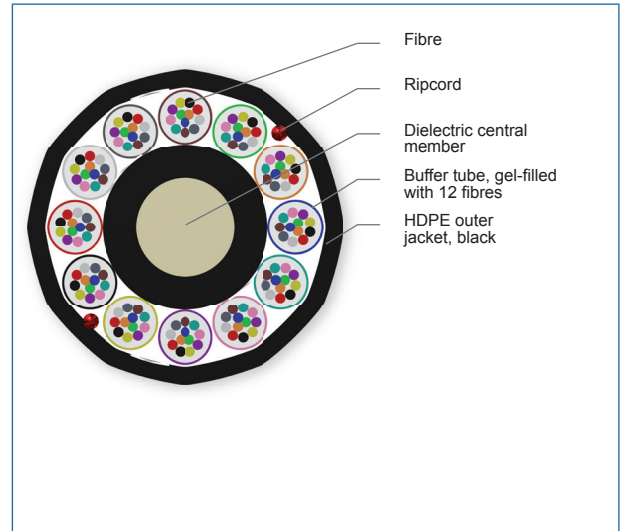
| Photo ZA-4030

MiniXtend® Cable, LT, A-DQ(ZN)2Y

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MiniXtend Cable, 144 Fibres
| Photo ZA-3939



MiniXtend Cable, 144 Fibres
| Photo ZA-3940

Specifications

Cable design	
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube colour coding	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube diameter	1.4 mm
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket nominal thickness	0.5 mm
Outer jacket colour	black
Cable marking	Metre - Handset - Sine - CORNING - Year - Cable type + Fibre count + Fibre type

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

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Mechanical Characteristics Cable

Fibre count	Fibres per tube	Nominal outer diameter	Weight	Min. bend radius installation	Min. bend radius operation	Max. tensile strength, short-term	Crush resistance (reversible)
12 - 72	12	5.3 mm	23 kg/km	106 mm	79.5 mm	350 N	1000 N/10 cm
96	12	6.3 mm	35 kg/km	126 mm	94.5 mm	1000 N	1000 N/10 cm
144	12	8 mm	53 kg/km	160 mm	120 mm	1000 N	1000 N/10 cm

Chemical Characteristics

RoHS	RoHS compliant
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Transmission Performance

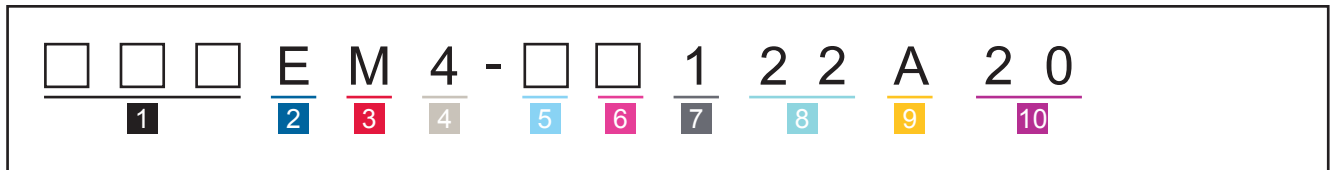
Single-mode

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

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Ordering Information | *Note:* For other options, please contact our Customer Care at cc.emea@corning.com or 00800 2676 4641.



1 Select fibre count.
012 048 096
024 060 144
036 072

2 Select fibre type.
E = Single-mode (OS2)
SMF-28e+®

3 Defines cable type.
M = MiniXtend Cable

4 Defines outer jacket.
4 = Single

5 Defines fibre placement.
T = 12 fibres/buffer tube
(standard)
8 = 8 fibres per tube
6 = 6 fibres per tube
4 = 4 fibres per tube

6 Defines length markings.
3 = Markings in meters
4 = Markings in feet

7 Defines tensile strength.
1 = Standard

8 Defines performance option code.
22 = Single-mode (OS2)
Max. attenuation 0.36/0.22/0.36 dB/km
1310/1383/1550 nm

9 Defines cable type.
A = MiniXtend Cable

10 Defines special requirements.
20 = Standard construction

*Maximum delivery length per drum is 4000 metres +3/-2%

*For ordering information regarding non-standard design cables, please contact our Customer Service Centre. (See bottom of page for contact information.)



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