MiniXtend® Cable, LT, A-DQ(ZN)2Y

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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Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Specifications

General Specifications	
Environment	Outdoor
Product type	Dielectric
Cable type	Stranded Loose Tube

Temperature Range	
Temperature range, storage	-30 °C - 70 °C
Temperature range, installation	-5 °C - 40 °C
Temperature range, operation	-30 °C - 70 °C

Design Characteristics Cable				
Fibre count	Fibres per tube	Number of tube positions	Number of active tubes	Buffer tube diameter
12 -	12	6	1 - 6	1.4 mm
96	12	8	8	1.4 mm
144	12	12	12	1.4 mm

Mechanical Characteristics Cable						
Fibre count	Nominal outer diameter	Min. bend radius installation	Min. bend radius operation	Crush resistance	Max. tensile strength, short-term	Cable Weight
12	5.3 mm	106 mm	79.5 mm	1000 N/10 cm	350 N	23 kg/km

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Mechanical Characteristics Cable						
Fibre count	Nominal outer diameter	Min. bend radius installation	Min. bend radius operation	Crush resistance	Max. tensile strength, short-term	Cable Weight
	5.3 mm	106 mm	80 mm	1000 N/10 cm	350 N	
24	5.3 mm	106 mm	79.5 mm	1000 N/10 cm	350 N	23 kg/km
	5.3 mm	106 mm	80 mm	1000 N/10 cm	350 N	
36	5.3 mm	106 mm	79.5 mm	1000 N/10 cm	350 N	23 kg/km
	5.3 mm	106 mm	80 mm	1000 N/10 cm	350 N	
48	5.3 mm	106 mm	79.5 mm	1000 N/10 cm	350 N	23 kg/km
	5.3 mm	106 mm	80 mm	1000 N/10 cm	350 N	
60	5.3 mm	106 mm	79.5 mm	1000 N/10 cm	350 N	23 kg/km
72 -	5.3 mm	106 mm	79.5 mm	1000 N/10 cm	350 N	
	5.3 mm	106 mm	80 mm	1000 N/10 cm	350 N	
96	6.3 mm	126 mm	94.5 mm	1000 N/10 cm	1000 N	35 kg/km
144	8 mm	160 mm	120 mm	1000 N/10 cm	1000 N	55 kg/km

Transmission Performance

Single-mode		
Fibre name	Bend-Improved Single-mode (OS2)	Single-mode (OS2)
Performance option code	20	22
Fibre category	OS2	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm
Fibre code	Z	E
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km	0.36 dB/km / 0.36 dB/km / 0.22 dB/km

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□ □ □ E M 4 - □ □ 1 2 2 A 2 0

1 2 3 4 5 6 7 8 9 10

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

RoHS COMPLIANT

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