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 fiber density in microduct systems

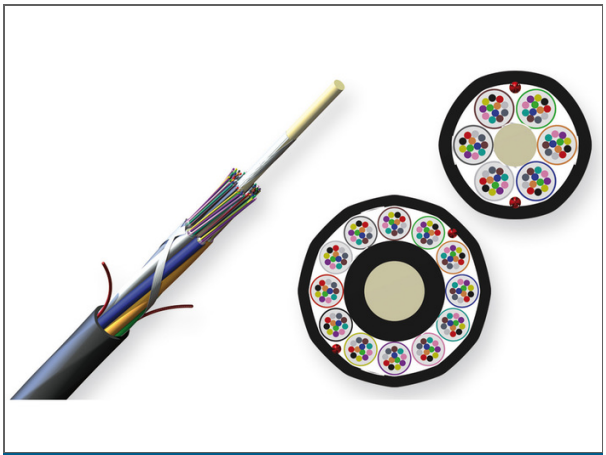
Compact and light
CapEx-optimized installations and upgrades

Optimized cable stiffness
Long installation lengths

Fully dielectric
No grounding required

Color-coded tubes and fibers
Easy identification of tubes and

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				
Fiber Count	Fibers 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						
Fiber 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						
Fiber 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		
Fiber Name	Bend-Improved Single-mode (OS2)	Single-mode (OS2)
Performance Option Code	20	22
Fiber Category	OS2	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm
Fiber 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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RoHS COMPLIANT

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