MiniXtend® Cable, CT A-D(ZN)2Y, 1x8 fibres, CT, single-mode (SMF 28e®ULTRA)

Part Number:
008ZK4-13120A20

Corning MiniXtend products are fibre optic stranded loose tube or central tube fully dielectric outdoor cable typically used in 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 fibre in each tube are color-coded for quick and easy identification. MiniXtend are available with Corning® single-mode fibre SMF 28-e® (ITU-G 652D) or bend- improved ClearCurve® fibres (ITU-G 657 A/B).

Features and Benefits

Improved cable and fibre density
Reduced cable diameter for installation in micro ducts with 4mm minimum inner diameter

Fully-dielectric
No grounding required

Optimised for air-assisted install in microducts
Capable of installation distances greater than 2000 m (6560 ft) at speeds up to 150 m/min (490 ft/min)

SMF-28e+®according to ITU-T G.652.D
Transmission security, low attenuation and polarization mode dispersion

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Specifications

General Specifications	
Installation Methods	Microduct
Cable type	Central Tube
Environment	Outdoor
Product type	Dielectric
Fibre category	Single-mode (OS2)

Standards	
Fibre Standards	TIA/EIA-492CAAB, IEC 60793-2-50 Type B1.3, SMF-28® Ultra fibre ITU-TG.652.D + ITU-TG.657.A1, ISO/IEC 11801 Ed.2.2
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Environmental Conditions	
Temperature range, installation	-5 °C to 50 °C
Temperature range, operation	-20 °C to 60 °C
Temperature range, storage	-25 °C to 60 °C

Cable Design	
Cable marking	Meter Handset D-Sine CORNING Year MINIXTEND(R) A-D(ZN)2Y 8F E9U CT1.7
Buffer tube colour coding, layer 1	Natural
Buffer tube diameter	1.75 mm
Cable marking method	Laser printing
Cable marking colour	White
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise

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Mechanical Specifications	
Crush resistance	1000 N/10 cm
Max. tensile strength, short-term	80 N
Min. bend radius installation	80 mm
Min. bend radius operation	50 mm
Nominal outer diameter	2.5 mm

Optical Characteristics	
Fibre code	Z
Performance option code	20
Fibre category	OS2
Fibre Type	Single-mode (OS2) / 250 µm
Fibre name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1
Fibre core diameter	8.2 µm
Cladding diameter	125 µm
Coating diameter	242 µm
Dispersion @ 1550 nm	≤ 18 [ps/(nm*km)]
Dispersion @ 1625 nm	≤ 22 [ps/(nm*km)]
Cable cutoff wavelength	1260 nm
Mode-Field Diameter at 1310 nm	9.2 µm
Mode-Field Diameter at 1550 nm	10.4 µm
PMD Link Design Value	≤ 0.04 ps/√km
PMD (Polarization Mode Dispersion) maximum individual fibre	≤ 0.1 ps/√km

Ordering Information	
Product Number	008ZK4-13120A20

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Ordering Information	
Maximum delivery length	6000 m

RoHS COMPLIANT

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