

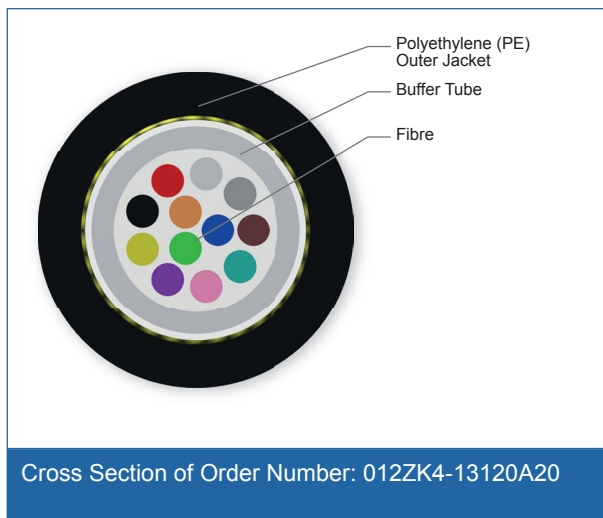
# MiniXtend Cable, CT, A-D(ZN)2Y

A-D(ZN)2Y, 1x12 fibres, CT, Single-mode (SMF 28e<sup>®</sup> ULTRA)

CORNING

Dual layer central tube design and the PE sheath provides

- Optimized cable stiffness and low friction sheath material for excellent installation performance
- Good mechanical and environmental properties
- Fully dielectric duct cable requires no grounding



## Specifications

General Specifications	
Environment	Outdoor
Application	Miniduct
Cable type	Central Tube

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## General Specifications

Product type	Dielectric
Fibre category	SMF-28 <sup>®</sup> Ultra fibre

## Temperature Range

Installation and assembly	-5 °C to 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 60 °C

## Cable Design

Fibre count	12
Fibre colouring	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Turquoise
Buffer tube colour	Natural
Buffer tube diameter	1.75 mm
Number of ripcords	1
Outer jacket material	Polyethylene (PE)
Outer jacket colour	Black
Cable marking	Meter-handset-D-sine-CORNING-year-A-DQ(ZN)2Y 1x12E9U/125
Cable marking method	Laser printing, White

## Mechanical Characteristics Cable

Nominal Outer Diameter	2.5 mm
Weight	4.5 kg/km
Min. Bend Radius Installation	20 mm
Max. tensile strength, short-term	80 N
Crush resistance (reversible)	1000 N/10 cm
Water penetration (0.1bar/24 h)	≤ 1 m

## Chemical Characteristics

RoHS	RoHS compliant
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## Fibre Specifications

Optical Characteristics (cabled)	
Fibre name	SMF-28 <sup>®</sup> Ultra 242 Optical Fibre
Mode-Field Diameter at 1310 nm	9.2 $\mu\text{m}$
Fibre code	Z
Coating diameter	242 $\mu\text{m}$
Cladding diameter	125 $\mu\text{m}$
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Typical attenuation	0.32 dB/km / 0.32 dB/km / 0.18 dB/km
Serial 1 gigabit ethernet	5000 m / -
Serial 10 gigabit ethernet	10000 m / 40000 m
Cable cutoff wavelength	1260 nm
Dispersion in the range 1285 to 1330 nm	$\leq 3.5 \text{ ps} / (\text{nm} * \text{km})$
Dispersion @ 1550 nm	$\leq 18 \text{ ps} / (\text{nm} * \text{km})$
PMD Link Design Value	$\leq 0.04 \text{ PS} / \sqrt{\text{km}}$
PMD maximum individual fibre	$\leq 0.1 \text{ PS} / \sqrt{\text{km}}$
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1

Notes: 1) Contact a Corning Customer Care Representative for additional information

## Ordering Information

Part Number	012ZK4-13120A20
Product Description	MiniXtend <sup>®</sup> Micro-Cable, A-D(ZN)2Y, 1x12 fibres, CT, Single-mode (SMF 28e <sup>®</sup> ULTRA)

## Shipping Information

Maximum delivery length	6,000 m
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