

# MiniXtend® Cable, CT



## 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 up to 1200m at speeds between 25 and 40m/min

### SMF-28e+® and SMF-28® G.657.A1 fibre

ITU-T G.652.D and ITU-G.652.D/G.657.A1 rated fibres with low attenuation and improved bend performance as well as compatibility with standard single-mode fibres.

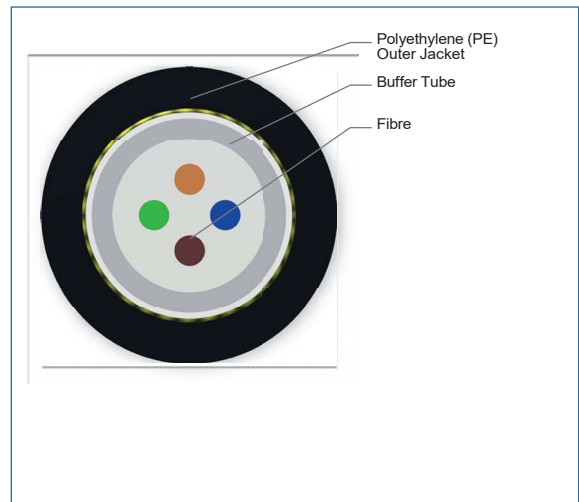
Corning MiniXtend products are fibre optic stranded loose tube or central tube fully dielectric outdoor cable typically used in Access Networks when limited space is available.

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 colour-coded for quick and easy identification.



MiniXtend® Micro-Cable, A-D(ZN)2Y, 1x4 fibres, CT



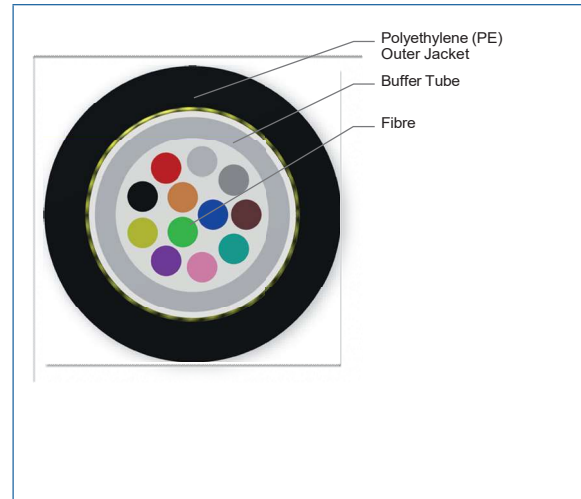
MiniXtend® Micro-Cable, A-D(ZN)2Y, 1x4 fibres, CT

# MiniXtend® Cable, CT

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MiniXtend® Micro-Cable, A-D(ZN)2Y, 1x12 fibres, CT



MiniXtend® Micro-Cable, A-D(ZN)2Y, 1x12 fibres, CT

## Specifications

| Cable Design              |  |
|---------------------------|--|
| Fibre colouring           | 1-12 white, red, yellow, green, blue, grey, brown, black, violet, turquoise, orange, pink<br>13-24 white, red, yellow, green, blue, grey, brown, natural, violet, turquoise, orange, pink (all with black marking) |
| Buffer tube colour coding | Natural  |
| Buffer tube diameter      | 1.75 mm  |
| Number of ripcords        | 1  |
| Outer jacket material     | Polyethylene (PE)  |
| Outer jacket colour       | Black  |

| Temperature Range         |                 |
|---------------------------|-----------------|
| Installation and assembly | -5 °C to 50 °C  |
| Operation                 | -30 °C to 70 °C |
| Storage                   | -30 °C to 70 °C |

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| Fibre Count | Nominal Outer Diameter | Min. Bend Radius Installation | Max. tensile strength, short-term | Weight    | Crush resistance (reversible) |
|-------------|------------------------|-------------------------------|-----------------------------------|-----------|-------------------------------|
| 4 - 12      | 2.5 mm                 | 20 mm                         | 80 N                              | 4.5 kg/km | 1000 N/10 cm                  |
| 24          | 2.5 mm                 | 20 mm                         | 80 N                              | 4.5 kg/km | 1000 N/10 cm                  |

## Chemical Characteristics

|      |                |
|------|----------------|
| RoHS | RoHS compliant |
|------|----------------|

## Fibre Specifications

### Optical Characteristics (cabled)

|   |                                      |
|---|--------------------------------------|
| Fibre name                              | SMF-28e+® Optical Fibre              |
| Mode-Field Diameter at 1310 nm          | 9.2 µm                               |
| Fibre code                              | E                                    |
| Coating diameter                        | 242 µm                               |
| Cladding diameter                       | 125 µm                               |
| Wavelengths                             | 1310 nm / 1383 nm / 1550 nm          |
| Maximum attenuation                     | 0.36 dB/km / 0.36 dB/km / 0.22 dB/km |
| Typical attenuation                     | 0.34 dB/km / 0.34 dB/km / 0.20 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 | ≤ 3.5 ps / (nm * km)                 |
| Dispersion @ 1550 nm                    | ≤ 18 ps / (nm * km)                  |
| PMD Link Design Value                   | ≤ 0.06 PS / √km                      |
| PMD maximum individual fibre            | ≤ 0.1 PS / √km                       |
| Fibre compliance                        | ITU-T G.652.D                        |

### Optical Characteristics (cabled)

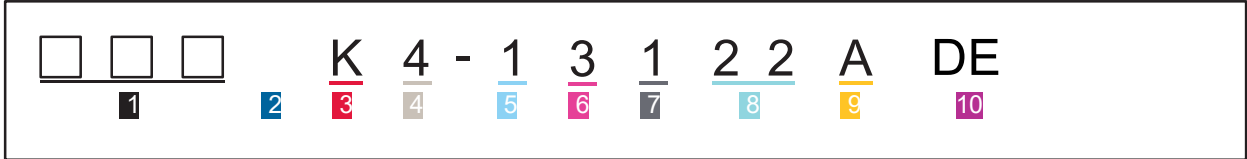
|                     |                                      |
|---------------------|--------------------------------------|
| Fibre name          | SMF-28® Ultra 200 Optical Fibre      |
| Fibre core diameter | 8.2 µm                               |
| Fibre Category      | OS2                                  |
| Fibre code          | Z                                    |
| Wavelengths         | 1310 nm / 1383 nm / 1550 nm          |
| Maximum attenuation | 0.36 dB/km / 0.36 dB/km / 0.22 dB/km |
| Typical attenuation | 0.34 dB/km / 0.34 dB/km / 0.20 dB/km |
| Fibre compliance    | ITU-T G.652.D and ITU-T G.657.A1     |

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



- 1** Select fibre count.  
004 006  
008 012 024
- 2** Defines fibre type.  
E = SMF-28e+®  
Z = SMF-28e® Ultra 200
- 3** Defines cable type.  
K = MiniXtend CT Cable
- 4** Defines outer jacket.  
4 = Single
- 5** Defines fibre placement.  
1 = Central Tube
- 6** Select length markings.  
3 = Markings in metres
- 7** Defines tensile strength.  
1 = Standard
- 8** Defines performance option code.  
22 = SMF-28e+®  
42 = SMF-28e® Ultra 200
- 9** Defines cable type.  
A = MiniXtend CT Cable
- 10** Defines special requirements.  
20 = Standard construct  
DE = Standard construct with VDE colour coding

\*Maximum delivery length per drum is 6000 metres +3/-2%  
\*For ordering information regarding non-standard design cables, please contact our Customer Service Centre. (See bottom of page for contact information.)

**Elektroskandia part numbers:**

004EK4-xxxxxA20 A-D(ZN)2Y 4F E9 CT 1.7  
 012EK4-xxxxxA20 A-D(ZN)2Y 12F E9 CT 1.7  
 024ZK4-xxxxxA20 A-D(ZN)2Y 24F E9U200 CT 1.7

**Elektroskandia printing:**

Metre#Handset#Sine#CORNING#Year#A-D(ZN)2Y 1X4 E9 CT 1.7  
 Metre#Handset#Sine#CORNING#Year#A-D(ZN)2Y 1X12 E9 CT 1.7  
 Metre#Handset#Sine#CORNING#Year#A-D(ZN)2Y 1X24 E9U200 CT 1.7



**Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY**  
**00 800 2676 4641 · FAX: +49 30 5303 2335 · [www.corning.com/opcomm/emea](http://www.corning.com/opcomm/emea)**

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