

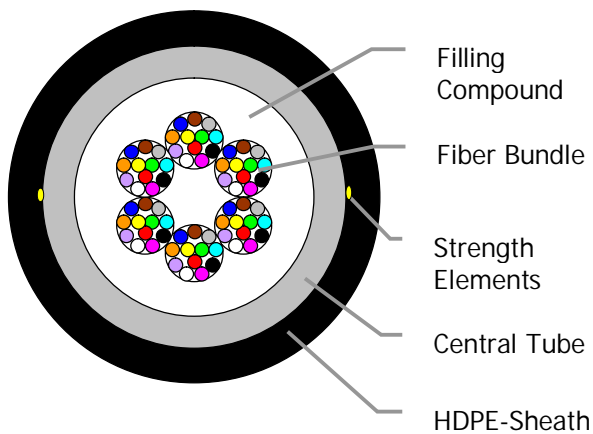
# Evolant<sup>®</sup> Solutions

## Data sheet

### Mini Xtend - Cable



## Fully Dielectric Mini Duct Cable with 24 – 72 ingle-mode fibers E9/125 SMF 28e™



### Features & Benefits

Dual layer central tube design and the HDPE 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
- 12 fiber bundles guarantee good fiber organization
- Outer jacket HDPE

Cable type	Fibers per bundle	Number of ZIG-ZAG fiber bundles	Diameter (mm)	Weight (kg/km)	Bending radius (mm)
A-D(ZN)2Y 2x12	12	2	6	28	100
A-D(ZN)2Y 3x12	12	3	6	29	100
A-D(ZN)2Y 4x12	12	4	6	29	100
A-D(ZN)2Y 5x12	12	5	6	29	100
A-D(ZN)2Y 6x12	12	6	6	30	100

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#### Color coding

Fiber: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise

ZIG-ZAG Fiber Bundles: blue, orange, green, brown, slate, white

Jacket marking (InkJet): meter marking      handset      double sinus      CORNING      year  
or acc. customer specification

#### Characteristics of fibers E9/125 SMF28e<sup>™</sup> – low water peak fiber -

Optical and mechanical:

Mode field diameter at 1310 nm	[ $\mu\text{m}$ ]	$9.2 \pm 0.4$
Cladding diameter	[ $\mu\text{m}$ ]	$125.0 \pm 0.7$
Coating diameter	[ $\mu\text{m}$ ]	$245 \pm 5$
Attenuation at 1310 nm	[dB/km]	$\leq 0.36$
Attenuation at 1550 nm	[dB/km]	$\leq 0.22$
Attenuation at 1383 nm	[dB/km]	$\leq 0.36$
Dispersion in the range 1285 to 1330 nm	[ps/(nm*km)]	$\leq 3.5$
Dispersion at 1550 nm	[ps/(nm*km)]	$\leq 18$
Cable cutoff wavelength ( $\lambda_{cc}$ )	[nm]	$\leq 1260$
Polarisationsmode dispersion (PMD <sub>0</sub> )	Ps/ $\sqrt{\text{km}}$	$< 0,20$

The fibers are fully in compliance with ITU-T G.652.D and annexes

#### Characteristics of cable

Mechanical and environmental:

Tensile strength during installation	[N]	400
Impact resistance 3 impacts, 300mm hammer radius, (Attenuation increase reversible)	[Nm]	5
Crush resistance (Attenuation increase reversible)	[N/10 cm]	1000
Operation temperature range	[°C]	-30...+70
Installation temperature range	[°C]	-5...+50
Water penetration (0.1 bar, 24 h)	m	$\leq 1$

Standard delivery length: 2 km  
Other lengths on request