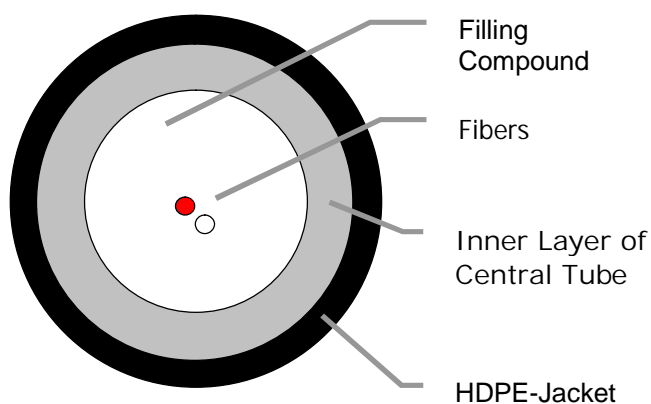


## Datasheet

**MiniXtend Drop Cable****Fully Dielectric Mini Duct Cable****with 2 bend optimized single-mode fibers E9/125 SMF 28eXB™****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

**Principle drawing for an** A-D2Y 1x2 E9XB/125 0,36F3,5 + 0,22H18

Cable Type	Fibres	Diameter (mm)	Weight (kg/km)	Bending Radius (mm)
A-D2Y 1x2 E9XB/125 0,36F3,5 + 0,22H18	2	2,0	3,5	17

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### Colour coding

Fiber: red, white  
Outer jacket: black

### Jacket marking (Inkjet):

Meter + handset + sinus + CORNING + year + AD2Y 1x2E9/125 SM ULTRA-BEND 10

### **Characteristics of single-mode bend optimized fiber E9/125 XB acc. to ITU-T G.657 A**

Optical and mechanical:

Mode field diameter at 1310 nm	[ $\mu\text{m}$ ]	$8.6 \pm 0.4$
Mode field diameter at 1550 nm	[ $\mu\text{m}$ ]	$9.8 \pm 0.5$
Cladding diameter	[ $\mu\text{m}$ ]	$125.0 \pm 0.7$
Coating diameter	[ $\mu\text{m}$ ]	$242 \pm 5$
Attenuation at 1310 nm, typical	[dB/km]	$\leq 0.36$
Attenuation at 1550 nm, typical	[dB/km]	$\leq 0.22$
Attenuation at 1383 nm, typical	[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]	$\leq 1260$

The used Corning® single-mode bend optimized optical fiber (XB) is a full spectrum, ITU-T G.652.D and ITU-T G.657A - compliant optical fiber

### **Characteristics of cable**

Mechanical and environmental:

Tensile strength during installation	[N]	40
Impact resistance (3 impacts, 300mm hammer radius, attenuation increase reversible)	[Nm]	1
Crush resistance	[N/10 cm]	850
Operation temperature range for SMF 28e - fibers	[°C]	-20...+60
Installation temperature range	[°C]	-5 ...+50
Water penetration (0.1 bar, 24 h)	m	$\leq 1$

### **Delivery:**

Delivery length up to 6 km

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