Evolant® Solutions

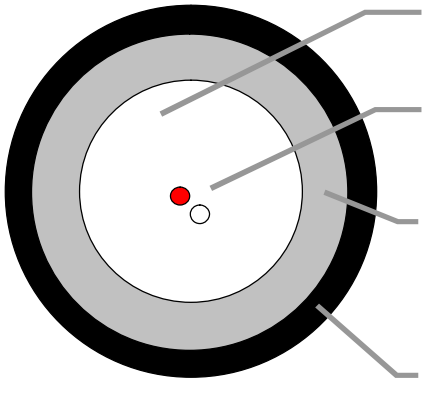
CORNING

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

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	[μm]	8.6 ± 0.4
Mode field diameter at 1550 nm	[μm]	9.8 ± 0.5
Cladding diameter	[μm]	125.0 ± 0.7
Coating diameter	[μm]	242 ± 5
Attenuation at 1310 nm, typical	[dB/km]	≤ 0.36
Attenuation at 1550 nm, typical	[dB/km]	≤ 0.22
Attenuation at 1383 nm, typical	[dB/km]	≤ 0.36
Dispersion in the range 1285 to 1330 nm	[ps/(nm∗km)]	≤ 3.5
Dispersion at 1550 nm	[ps/(nm∗km)]	≤ 18
Cable cutoff wavelength (λcc)	[nm]	≤ 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	≤ 1

Delivery:
Delivery length up to 6 km