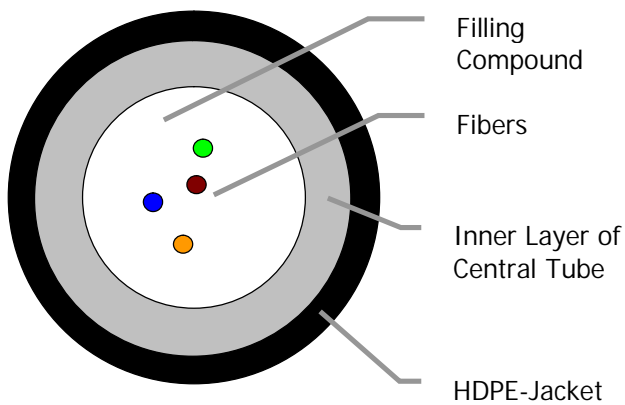


# Fully Dielectric Mini Duct Cable with 2 - 4 single-mode fibers E9/125 SMF 28e<sup>™</sup>



### 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 1x4 E9/125 0,36F3,5 + 0,22H18

Cable Type	Fibres	Diameter (mm)	Weight (kg/km)	Bending Radius (mm)
A-D2Y 1x2 E9/125 0,36F3,5 + 0,22H18	2	2,0	3,5	30
A-D2Y 1x4 E9/125 0,36F3,5 + 0,22H18	4	2,0	3,5	30

### Colour coding

Single Mode fibers: blue, orange, green, brown

Jacket marking: meter marking hand set double sinus CORNING year

### Characteristics of fibers E9/125 SMF 28e<sup>TM</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	[ $\mu\text{m}$ ]	$245 \pm 5$
Max.attenuation at 1310 nm	[dB/km]	$\leq 0.36$
Max.attenuation at 1550 nm	[dB/km]	$\leq 0.22$
Max.attenuation at 1383 nm	[dB/km]	$\leq 0.36$
Max.attenuation at 1625 nm	[dB/km]	$\leq 0.24$
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 fibers are fully in compliance with ITU G.652.D and annexes.

### 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	[°C]	-20...+70
Installation temperature range	[°C]	-5 *) ...+50
Water penetration (0.1 bar, 24 h)	m	$\leq 1$

\*) for conditioned cables before installation not below  $-5^{\circ}\text{C}$

Standard delivery length: 2 km  
Other lengths on request