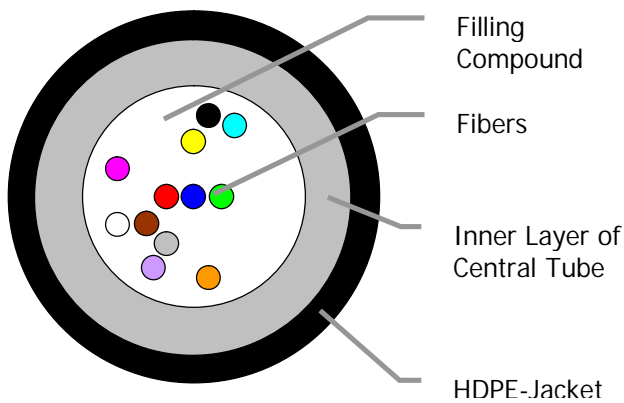


Fully Dielectric Mini Duct Cable with 2 - 24 single-mode fibers E9/125 SMF 28e™



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

Principle drawing for a A-D2Y 1x12 E9/125 0,36F3,5 + 0,22H18

Cable type	Fibers	Diameter (mm)	Weight (kg/km)	Bending radius (mm)
A-D2Y 1x2	2	3,5	10	60
A-D2Y 1x4	4	3,5	10	60
A-D2Y 1x8	8	3,5	10	60
A-D2Y 1x10	10	3,5	10	60
A-D2Y 1x12	12	3,5	10	60
A-D2Y 1x16	16	3,5	11	60
A-D2Y 1x20	20	3,5	11	60
A-D2Y 1x24	24	3,5	11	60

Evolant[®] Solutions

Data sheet

Mini Xtend - Cable



Colour coding

Fiber 1-12: blue, orange, green, brown, slate, white, red, black, yellow, violet, pink, turquoise
 Fiber 13-18 (additional marking with 1 black ring): orange, yellow, red, white, pink, turquoise
 Fiber 19-24 (additional marking with 2 black rings): orange, yellow, red, white, pink, turquoise

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

Characteristics of fibers E9/125 SMF28e[™] – low water peak fiber -

Optical and mechanical:

Mode field diameter at 1310 nm	[μm]	9.2 ± 0.4
Cladding diameter	[μm]	125.0 ± 0.7
Coating diameter	[μm]	245 ± 5
Attenuation at 1310 nm	[dB/km]	≤ 0.36
Attenuation at 1550 nm	[dB/km]	≤ 0.22
Attenuation at 1383 nm	[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 (λ_{cc})	[nm]	≤ 1260
Polarisationsmode dispersion (PMD ₀)	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]	80
Impact resistance (3 impacts, 300mm hammer radius)	[Nm]	1
Crush resistance	[N/10 cm]	1000
Operation temperature range	[°C]	-20...+70
Installation temperature range	[°C]	-5...+50
Water penetration (0.1 bar, 24 h)	m	≤ 1

Standard delivery length: 2 km
 Other lengths on request