

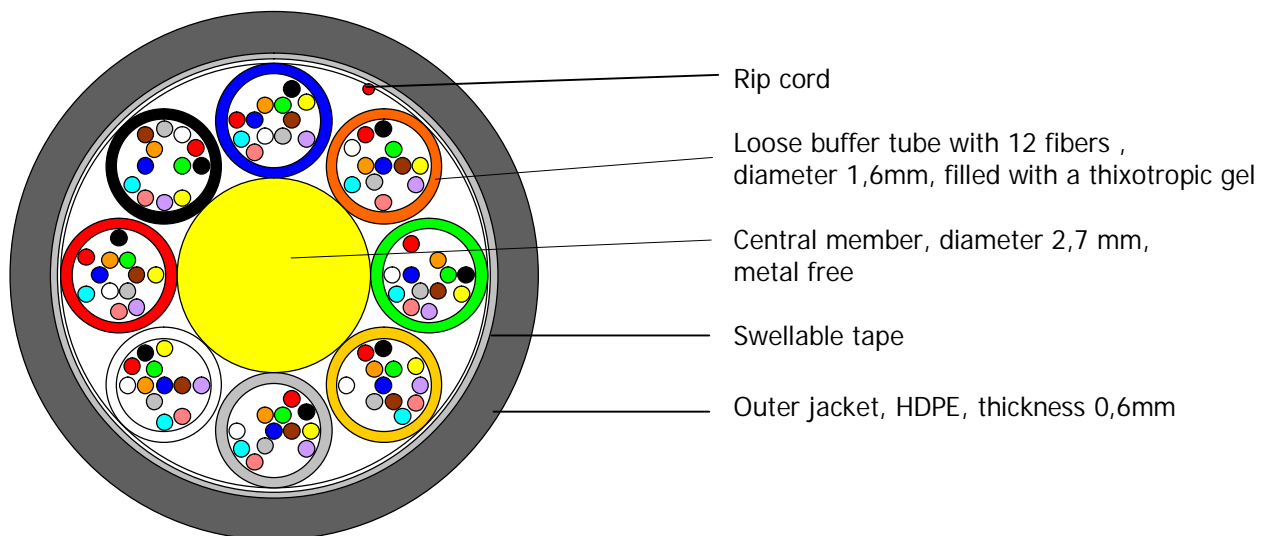
Evolant[®] Solutions

Data sheet

Mini Xtend - Cable



Stranded loose tube Mini Xtend cable with 96 single-mode fibers E9/125 SMF 28e[™]



Principle drawing

A-DQ(ZN)2Y 8x12 E9/125 0.36F3.5 + 0.22H18 LG

Design and special properties

- Cable for installation into miniduct systems, suitable for Metro, Access or FTTx implementations
- Incremental capacity installation capability results in reduced capital expenditure
- Extremely compact; small diameter; low weight cables
- Reduced duct utilisation and easy installation, optimized cable stiffness
- Fully dielectric construction requires no grounding
- Fiber tubes with different colors resulting in easy identification, colors according to Telcordia standard
- Stranded Loose Tube structure ensures jointing and network configuration compatibility with conventional designs

Cable includes Single Mode fiber SMF 28e[™] according to ITU-G. 652 D (Low Water Peak Fiber)

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- Coloring

Fibers: blue, orange, green, brown, slate, white, red, black, yellow, violet, pink, turquoise,
 Tubes: (8x12E9) E9: blue, orange, green, brown, slate, white, red, black,

Cable jacket: black

Cable printing: meter marking handset double sinus CORNING year

Characteristics of fibers E9/125 SMF 28eTM – 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 1383 nm	[dB/km]	≤ 0.36
Attenuation at 1550 nm	[dB/km]	≤ 0.22
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

The fibers are fully in compliance with ITU G.652.D and annexes. Other options are available on [Technical cable characteristics](#)

Mechanical and environmental:

Number of tubes		8
Number of fibers per tube		12
Cable weight, approx.	Kg/km	46
Cable diameter, approx.	Mm	7,4
Max. tensile load during installation	[N]	1500
Max. tensile load during operation	[N]	500
Crush	[N/10 cm]	1000
Bending radius, during operation	[mm]	110
Bending radius, during installation	[mm]	145
Impact	[J]	1
No. of impacts 20, hammer radius R=300 mm		
Temperature range	Installation	[°C] -5... +50
	Operation	[°C] -20... +60
	Transport & Storage	[°C] -30... +70
Water penetration (0.1 bar / 24 h)	[m]	≤ 1

Standard delivery length: 2 km , other length are available on request