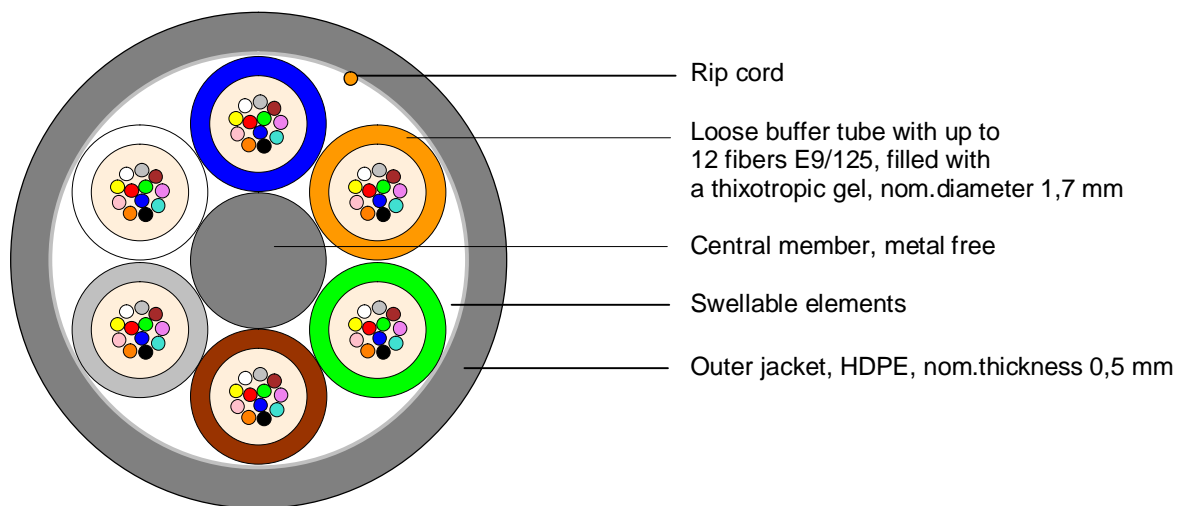


## Mini Xtend – Cable

### Stranded loose tube Mini Xtend cable with 2 to 72 single-mode fibers E9/125 SMF 28e<sup>TM</sup>



#### Principle drawing

Example: A-DQ(ZN)2Y 6x12 E9/125 0.36F3.5 + 0.22H18 LG

#### MiniXtend A-DQ(ZN)2Y 2 to 72 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)

## Data sheet

### Coloring

Fibers:	blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise,				
Tubes:	up to 6 tubes:				
	blue, orange, green, brown, slate, white				
Filling elements:	natural				
Cable printing:	Meter	handset symbol	sine symbol	CORNING	year
	or acc. customer specification			Method: Inkjet printing	

### Characteristics of fibers E9/125 SMF 28e™ – 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 <sub>cc</sub> )	[nm]	≤ 1260

The fibers are fully in compliance with ITU G.652.D and annexes. Other options are available on request.

### Technical cable characteristics

Mechanical and environmental:

Max. tensile load during installation	[N]	900	
Crush (attenuation increase reversible)	[N/10 cm]	1000	
Bending radius, permanent	[mm]	65	
Bending radius, during installation	[mm]	90	
Impact (attenuation increase reversible) No. of impacts 3, hammer radius R=300 mm	[Nm]	4	
Temperature range	Installation	[°C]	-5... +50
	Operation	[°C]	-40... +70
	Transport & Storage	[°C]	-40... +70
Water penetration (0.1 bar / 24 h)	[m]	≤ 1	

Cable type	No. of fibers	Fibers per tube	No. of tubes	No. of passive fillers	Outer Ø [mm]	Weight [kg/km]
1x2 - 1x8	2 - 8	2 - 8	1	5	6.2 ± 0,3	31
1x12	12	12	1	5	6.2 ± 0,3	31
2x12	24	12	2	4	6.2 ± 0,3	31
3x12	36	12	3	3	6.2 ± 0,3	31
4x12	48	12	4	2	6.2 ± 0,3	31
5x12	60	12	5	1	6.2 ± 0,3	31
6x12	72	12	6	0	6.2 ± 0,3	31

Standard delivery length: 2 km