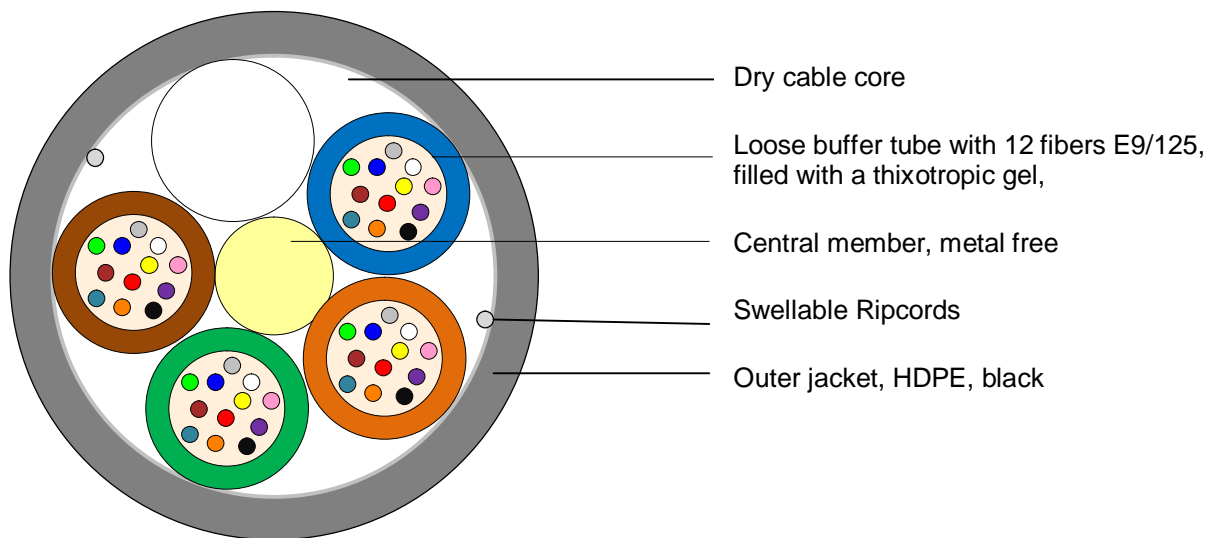


Data sheet

SLT Mini – Cable

Stranded loose tube Mini-cable with 24 or 48 Single-mode fibers E9/125 SMF



Principle drawing:

Mini-cable A-DQ(ZN)2Y 2x12 or 4x12E9/125 0.35F3.5 + 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
- Stranded Loose Tube structure ensures jointing and network configuration compatibility with conventional designs
- Outer PE-jacket, black, UV resistant
- The used Corning® single-mode fibers are fully compliant to standard ITU-T G.652.D showing low attenuation throughout the 1285 nm to 1625 nm wavelength range
- Telcordia standard for fiber and loose tube coloring
- Cable design acc. to Corning standard

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GCYFTY 48B1.3 (5 Position)

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Data sheet

SLT Mini – Cable

Coloring

Fibers:	blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Tubes:	blue, orange, green, brown
Outer jacket:	black
Cable printing:	meter HB CMCC 2014 CORNING CABLES-CN GCYFTY nn*B1.3
Method:	Inkjet, white *) nn = number of fibers

Characteristics of fibers E9/125

Optical and mechanical:

Mode field diameter at 1310 nm	[μm]	9.2 ± 0.4
Cladding diameter	[μm]	$125.0 \pm 1,0$
Coating diameter (uncolored)	[μm]	242 ± 10
Attenuation at 1310 nm	[dB/km]	≤ 0.35
Attenuation at 1383 nm	[dB/km]	≤ 0.35
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 request.

Technical cable characteristics

Mechanical and environmental:

Max. tensile load during installation	[N]	130	
Crush (short term; 5 Min)	[N/10 cm]	450	
Bending radius, permanent	[mm]	85	
Bending radius, during installation	[mm]	120	
Temperature range	Installation	[°C]	-5... +40
	Operation	[°C]	-10... +70
	Transport & Storage	[°C]	-30... +70
Water penetration (0.1 bar / 1h)	[m]	≤ 1	

Cable type	No. of fibers	Fibers per tube	No. of tubes	No. of passive fillers	Outer Ø [mm]	Weight [kg/km]
2x12	24	12	2	3	5.0	20
4x12	48	12	4	1	5.0	20

Delivery length

Standard delivery length up to 6 km