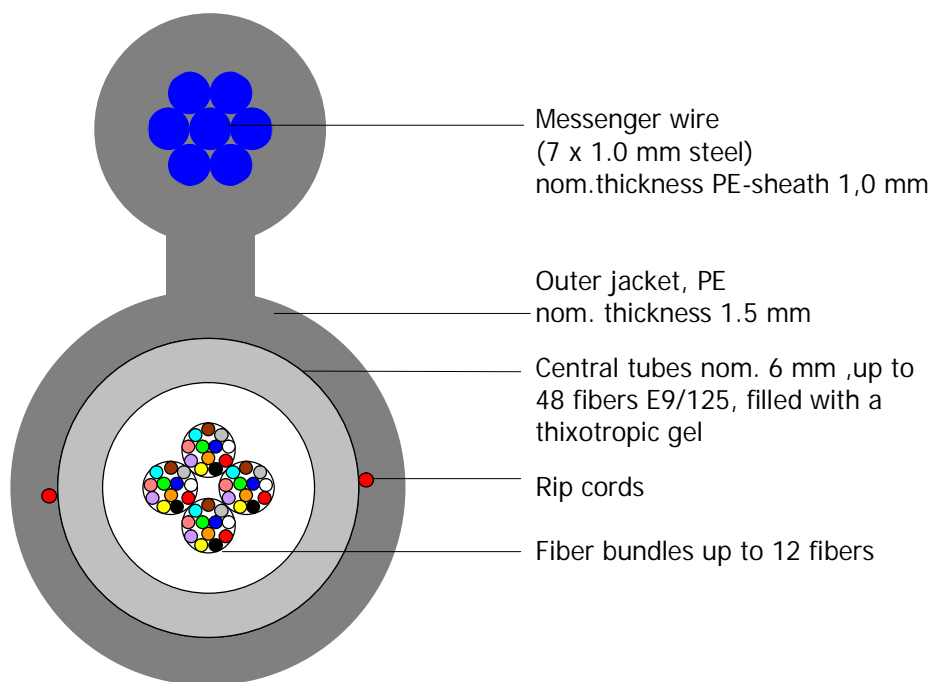


## Aerial - Cable

### Self-supporting aerial fig. 8-cable (7x1.0) with 2 up to 48 monomode fibers E9/125 SMF 28e™



Principle drawing for a A-DT2Y 1x(4x12) E9/125 0,36F3,5 + 0,22H18 (7x1,0)

A-DT2Y 2 up to 48 E9/125 0,36F3,5 + 0,22H18 (7x1,0)

#### Design and special properties

- Self-supporting aerial fig. 8-cable with steel suspension strand for installation on poles (span length dependence of the environmental conditions and the installation conditions)
- Central tubes design, filled with a thixotropic gel
- Mono mode fibers fully compliant to standard ITU G.652D with low attenuation throughout the 1310 nm to 1550 nm wavelength range
- Steel suspension strand 7 x 1.0 mm, other options are available on request
- PE jacket, black, UV-resistance
- Telcordia standard ( Bellcore) for fiber and loose tube coloring

#### Coloring

Fibers: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise  
Fiber bundles: blue, orange, green, brown,  
Central tube: nature

Outer jacket: black

# Evolant<sup>®</sup> Solutions

## Data sheet

### Aerial - Cable

Cable printing: Meter hand set double sinus CORNING year

#### Characteristics of fibers E9/125 SMF 28e<sup>™</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	[ $\mu\text{m}$ ]	$245 \pm 5$
Attenuation at 1310 nm	[dB/km]	$\leq 0.36$
Attenuation at 1550 nm	[dB/km]	$\leq 0.22$
Attenuation at 1383 nm	[dB/km]	$\leq 0.36$
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 ( $\lambda_{\text{ccf}}$ )	[nm]	$\leq 1260$

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

#### Technical cable characteristics

Mechanical and environmental:

Cable type: A-DT2Y ...			
No. of fibers		2-12	24 - 48
Outer dimensions cable (diam. cable x total height)	[mm]	7,2 x 15,2	9,0 x 17,0
Messenger wire - steel	[mm]	7 x 1.0	7 x 1.0
Central tube diameter	[mm]	4,2	6,0
Weight	[kg/km]	112	134
Min. bending radius during install.	[mm]	160	170
Min. bending radius installed	[mm]	145	150
Max. tensile load during installation	[N]	3500	3500
Max. tensile load installed (MAT)	[N]	3500	3500
Compressive stress/crush	[N/10cm]	2000	2000
Impact resistance (E=3 Nm, r = 300 mm)	[impacts]	30	30
Temperature range	Laying and installation Operation Transport and storage	[°C]	-5 to 50
			-30 to 70
			-40 to 70

Delivery length up to 6 km

Other options are available on request.