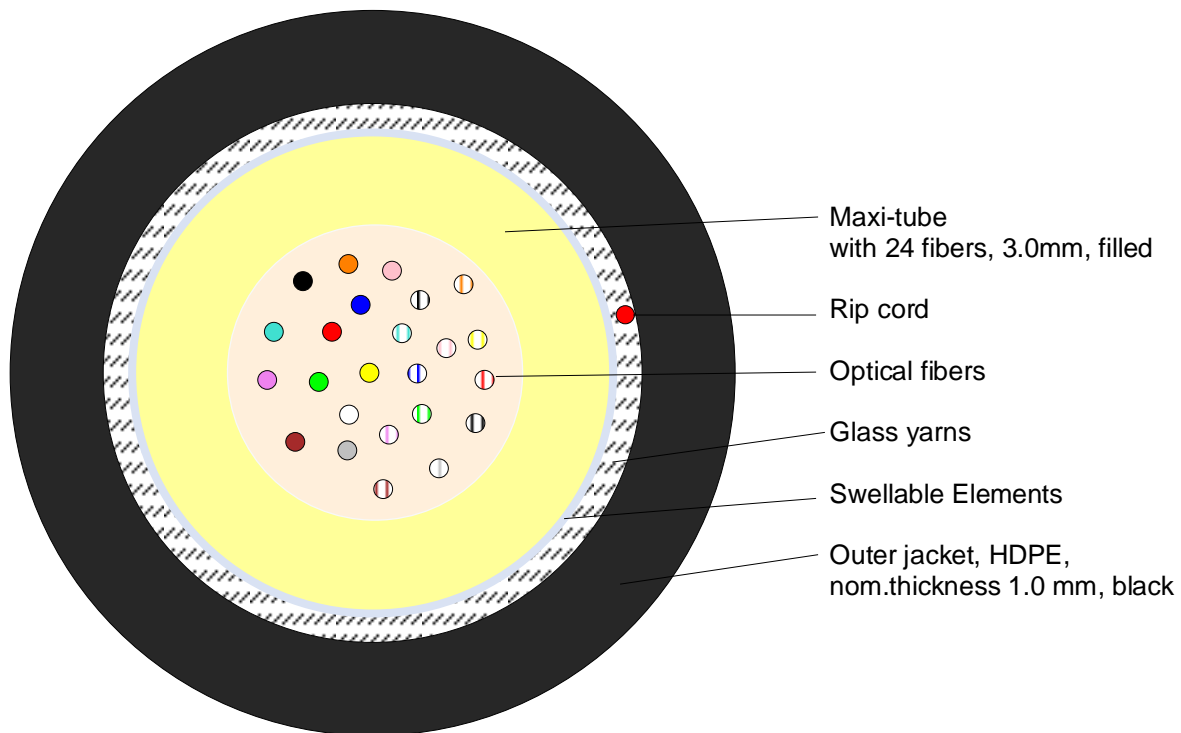


Central Tube Dielectric Armour Outdoor Cable with 24 single-mode fibers E9/125 SMF 28e+™



Principle Drawing

A-DQ(ZN)B2Y 1x24 E9/125 0.36F3.5 + 0.22H18

Design and special properties

- Especially light, thin and robust cables
- Cable for the use within and between buildings, pulling into duct systems, laying in concrete channels and on cable racks and in areas with rodents
- Central tube construction
- Non-metallic construction, no problems with grounding or potential equalization
- Complete dry cable design
- Improved rodent resistance provided by laminated glass yarns
- Water blocking to IEC 60794-1-F5
- The used Corning® single-mode fibers SMF-28e+™ are fully compliant to standard ITU-T G.652.D (reduced OH- peak) showing low attenuation throughout the 1285 nm to 1625 nm wavelength range
- Telcordia standard for fiber coloring
- Cable design according to Corning standard

Data sheet

Coloring

Fibers: 1-12: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
 13-24: blue, orange, green, brown, grey, white, red, natural, yellow, violet, pink, turquoise with 1 black ring

Central tube: yellow

Outer jacket: black

Cable printing: Meter # Handset # Sinus # CORNING # YEAR(2023) # A-DQ(ZN)B2Y 24F E9 CT3.0

Method: Láser 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]	242 ± 5
Attenuation at 1310 nm	[dB/km]	≤ 0.36
Attenuation at 1550 nm	[dB/km]	≤ 0.22
Max.Dispersion at 1550 nm	[ps/(nm*km)]	≤ 18
Max.Dispersion at 1625 nm	[ps/(nm*km)]	≤ 22
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:

Number of fibers		24
Diameter maxi tube	[mm]	3.0
Diameter cable, approx.	[mm]	7,0
Cable weight, approx.	[kg/km]	44
Max. tensile load during installation	[N]	2000
Crush (test methode acc. IEC 69794-1-2 E3)	[N/10 cm]	1500
Min. bending radius during installation	[mm]	140
Temperature range	Laying and installation	-5 to +50
	Operation	-30 to +70
	Transport and storage	-40 to +70
Water penetration (0.1 bar / 24 h)	[m]	≤ 3

Delivery length

Standard delivery length 6 km