

CORNING

A-DQ(ZN)2Y 8x12



- A. PE outer jacket
- B. Aramid yarn strength members
- C. Swellable elements
- D. Buffer tube, filled with 12 fibers
- E. Swellable elements
- F. Central element, metal-free
- G. Rip cord

Order Number	FWLT01-S0096-U001
Type Designation	A-DQ(ZN)2Y 8x12
Fiber Class	9 μm, OS2
Fiber Count	96 (8x12)
Halogen Free	No
Color	black
Delivery Length	up to 4000 m

Features

- metal-free cable, hence no ground loop problems
- PE jacket, UV and microbe resistant
- Dry cable core with swellable elements
- Water blocking according to IEC 60794-1-2-F5
- Can be directly buried and installed in ducts
- Thin and robust cable
- Preassembled length available
- Telcordia (Bellcore) color standard for fibers and tubes

Temperature Range

Installation and assembly	-5 °C 50 °C
Operation	-30 °C 70 °C
Transport and Storage	-40 °C 70 °C

Mechanical Characteristics Cable

Fiber count	96 (8x12)
Outer Ø	12.7 mm
Weight	125 kg/km
Min. bending radius during installation	≥ 195 mm
Min. bend radius in service	160 mm
Tensile Strength	≤ 2700 N
Crush Resistance	2000 N/10cm
Water penetration (0.1bar/24 h)	≤ 3 N

Design (Fiber and Buffer Tube)

Fiber coloring	blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, turquoise
Buffer tube coloring	blue, orange, green, brown, gray, white, red, black
Cable marking	meter - handset - double sinus - CORNING - year

Design (Cable)

- Dielectric central element
- Stranded buffer tubes, filled with thixotropic filling compound
- Swellable
- PE outer
- Jacket color: black

Fiber Features

- The singlemode fibers are fully compliant to ITU-T G.652 categories A, B, C and D (reduced OH-Peak) and show a minimum of attenuation throughout the range from 1285 nm to 1625 nm

Optical Characteristics

Fiber type	E9/125 SMF28e+ (OS2)
Mode field diameter at 1310 nm	9.2 µm ± 0.4
Attenuation at 1310 nm	≤ 0.36 dB/km
Attenuation at 1550 nm	≤ 0.22 dB/km
Attenuation at 1383 nm	≤ 0.36 dB/km
Dispersion in the range 1285 to 1330 nm	≤ 3.5 ps / (nm * km)
Dispersion @ 1550 nm	≤ 18 ps / (nm * km)
Cable cutoff wavelength	≤ 1260 µm

Fiber meets or exceeds standards: TIA/EIA 492-CAAB, IEC 60793-2-50 Type B1.3, ISO/IEC 11801 OS1/OS2, Telcordia GR20.

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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