

Central Tube Outdoor Cable with Corrugated Steel Armoring

A-DQ(ZN)(SR)2Y 1x6E9/125 CT

CORNING

Corning Cable Systems Central Tube cables with corrugated steel armoring are designed for outdoor use for campus, city and intercity backbones in duct and direct burial installations.

The Central Tube cable construction, by isolating the fibers from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibers are color-coded for quick and easy identification.

The cable construction, based on a central buffer tube, is very compact, light, flexible and ideal for connections requiring a moderate fiber count.

These cables are designed for installation in conduits, ducts and for direct burial.

Features and Benefits

Waterblocking technology

OSP applications

UV and microbe resistant

Can be directly buried or installed in ducts

Corrugated steel armoring

Rodent and mechanical protection

Small diameter and bend radius

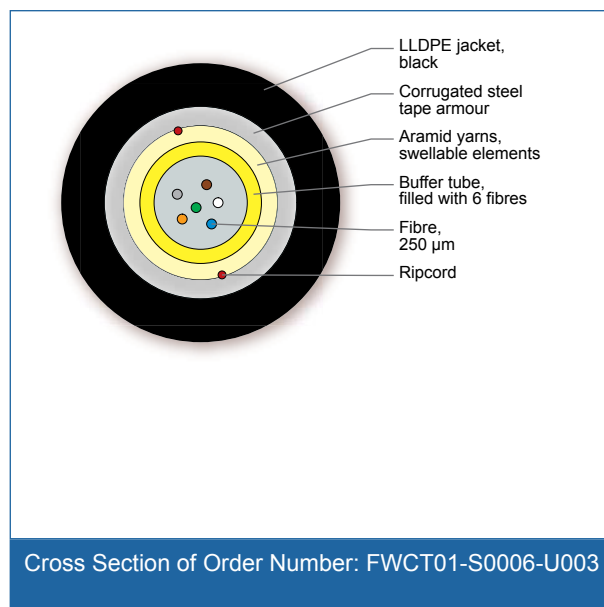
Easy installation in space-constrained areas

Fibres colour coding to IEC 60304 (Telcordia-Bellcore)

Easy identification of the individual fibres



Part Number: FWCT01-S0006-U003



Cross Section of Order Number: FWCT01-S0006-U003

Standards

Waterblocking

IEC 60794-1-2 F5

Specifications

General Specifications

Environment	Outdoor
Applications	Direct Buried, Duct, Vertical Riser, General Purpose Horizontal



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Specifications

General Specifications

Cable Type	Loose Tube
Product Type	Corrugated armour
Fibre Category	50 µm MM (OM3)

Temperature Range

Installation and assembly	-5 °C 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 70 °C

Cable Design

Fibre Count	6
Fibre colouring	Blue, orange, green, brown, grey, white
Buffer tube diameter	3 mm
Buffer tube colour	Green
Number of Ripcords	2
Tensile strength elements / armouring - Layer 1	Corrugated steel tape armour with dielectric strength elements (aramid yarns) and swellable elements
Outer jacket material	Linear Low Density Polyethylene (LLDPE)
Outer jacket colour	Black
Outer jacket nominal thickness	1.5 mm
Cable marking	metre - handset - double sine - CORNING - year, A-DQ(ZN)(SR)2Y 1x6G50/125 PRETIUM 300 ULTRA-BEND 7.5

Mechanical Characteristics Cable

Nominal Outer Diameter	7.5 mm
Weight	60 kg/km
Min. Bend Radius Installation	150 mm
Min. Bend Radius Operation	110 mm
Max. tensile strength for installation	1000 N
Crush Resistance	2000 N/10cm

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Chemical characteristics

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

Optical Characteristics (cabled)

Fibre name	E9/125 SMF28e+
Fibre Core Diameter	9 µm
Fibre Type	Single-mode
Fibre Category	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm
Typical attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m
Cable cutoff wavelength	1260 nm
Standards in Compliance	TIA/EIA 492-CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652 D, ISO/IEC 11801 Cat. OS2
Fibre Code	U

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions
2) Improved attenuation and bandwidth options available
3) Bend-insensitive single-mode fibres available on request
4) Contact a Corning Cable Systems Customer Service Representative for additional information

Ordering Information

Order Number	FWCT01-S0006-U003
Product Description	A-DQ(ZN)(SR)2Y 1x6E9/125

Shipping Information

Maximum delivery length	4000 m
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