Central Tube Outdoor Cable with Corrugated Steel Armoring

A-DQ(ZN)(SR)2Y 1x12G50CC OM2/125 CT

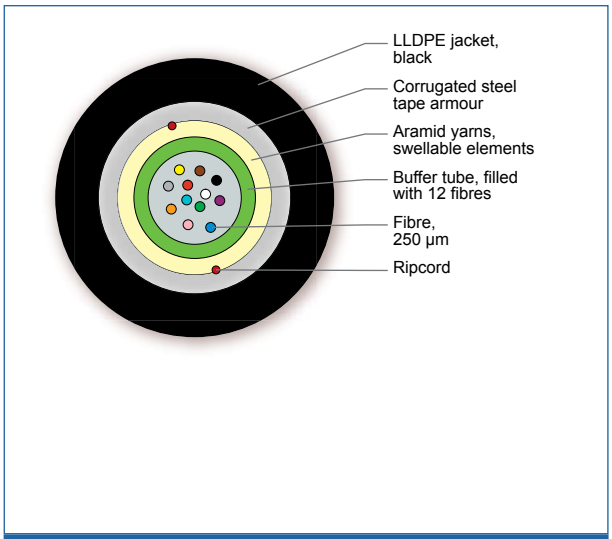
Corning Cable Systems Central Tube cables with corrugated steel armoring are designed for outdoor use for campus, city and intercity backbones in duct and direct burial installations.

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.

Part Number: FWCT01-S0012-G003



Cross Section of Order Number: FWCT01-S0012-G003

Features and Benefits

Waterblocking technology
OSP applications

UV and microbe resistant
Can be directly buried or installed in ducts

Corrugated steel armouring
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

Standards

Waterblocking	IEC 60794-1-2 F5

Specifications

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

RoHS COMPLIANT

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Specifications

General Specifications	
Cable Type	Loose Tube
Product Type	Corrugated armour
Fibre Category	50 µm MM (OM4)

Temperature Range	
Installation and assembley	-5 °C 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 70 °C

Cable Design	
Fibre Count	12
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
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 1x12G50/125 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

Fibre Specifications

Optical Characteristics (cabled)	
Fibre name	G50/125 Pretium 150 ULTRA-BEND 7.5
Fibre Core Diameter	50 µm
Fibre Type	Multimode
Fibre Category	OM2
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -
Serial 1 Gigabit Ethernet	750 m / 600 m
Serial 10 Gigabit Ethernet	150 m / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -
Standards in Compliance	TIA/EIA 492AAAB, Restricted Mode Launch (RML) according to TIA/EIA 455-204 and IEC 60793-1-41, ITU-T G651, ISO/IEC 11801 Cat. OM2
Fibre Code	G

Notes: 1) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
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-S0012-G003
Product Description	A-DQ(ZN)(SR)2Y 1x12G50/125 PRETIUM 150 ULTRA-BEND 7.5

Shipping Information

Maximum delivery length	4000 m

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Notes

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