

Central Tube Outdoor Cable with smooth steel tape armoring and 2 steel wires

A-D(ZM)(SG)2Y 1X48 E9/125 (OS2) CT

CORNING

Corning Cable Systems Central Tube cables with smooth steel tape armoring and two steel wires 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, mechanical protection and direct buried applications

Small diameter and bend radius

Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres

Standards

Waterblocking IEC 60794-1-2 F5

Specifications

General Specifications	
Environment	Outdoor
Application	Direct Buried
Cable Type	Central Tube
Product Type	Armoured
Fibre Category	SM (OS2)

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Temperature Range

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

Cable Design

Fibre Count	48
Fibres per Tube	12
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube diameter	5.0 mm
Buffer tube colour	White
Number of Tube Positions	1
Tape	Water-swellaible
Tensile strength elements and/or armoring - Layer 1	Smooth steel tape and 2 steel wires
Number of Ripcords	2
Outer jacket material	Linear Low Density Polyethylene (LLDPE)
Outer jacket colour	Black
Outer jacket nominal thickness	2.2 mm
Cable marking	Metre - Handset - Double Sine - CORNING - Year - A-D(ZM)(SG)2Y 1X48 E9/125 SMF 28e+TM

Mechanical Characteristics Cable

Nominal Outer Diameter	10.8 mm
Weight	125 kg/km
Min. Bend Radius Installation	220 mm
Min. Bend Radius Operation	189 mm
Max. tensile strength for installation	2700 N
Crush Resistance (reversible)	2000 N/10cm

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 Type	Single-mode
Fibre Core Diameter	9 µm
Fibre Category	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 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 Care Representative for additional information

Ordering Information

Part Number	FWCT01-S0048-U001
Product Description	A-D(ZM)(SG)2Y 1X48 E9/125 SMF 28e+TM

Shipping Information

Maximum delivery length	6,000 m
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