

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

A-D(ZM)(SG)2Y 1X4 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 IEC 60304 (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) |

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

A-D(ZM)(SG)2Y 1X4 E9/125 (OS2) CT

CORNING

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 | 4 |
| Fibres per Tube | 12 |
| Fibre colouring | Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise |
| Buffer tube diameter | 3 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 1X4 E9/125 SMF 28e+TM |

Mechanical Characteristics Cable

| | |
|--|-------------|
| Nominal Outer Diameter | 8.8 mm |
| Weight | 85 kg/km |
| Min. Bend Radius Installation | 180 mm |
| Min. Bend Radius Operation | 154 mm |
| Max. tensile strength for installation | 2700 N |
| Crush Resistance | 2000 N/10cm |

Chemical characteristics

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

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

A-D(ZM)(SG)2Y 1X4 E9/125 (OS2) CT

CORNING

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-S004-U001 |
| Product Description | A-D(ZM)(SG)2Y 1X4 E9/125 SMF 28e+TM |

Shipping Information

| | |
|-------------------------|---------|
| Maximum delivery length | 6,000 m |
|-------------------------|---------|



Corning Cable Systems GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, Germany

TEL: 00800-2676-4641 (00800-CORNING1) · FAX: +49-30-5303-2335 · www.corning.com/cablesystems/emea

A complete listing of the trademarks of Corning Cable Systems is available at www.corning.com/cablesystems/emea/trademarks. Corning Cable Systems is ISO 9001 certified. © 2013 Corning Cable Systems. All rights reserved.