# SST™ Central Tube Steel Armor Outdoor Cable

## 4F E9 SMF-28e+® ITU G652.D CT 3.0

CORNING

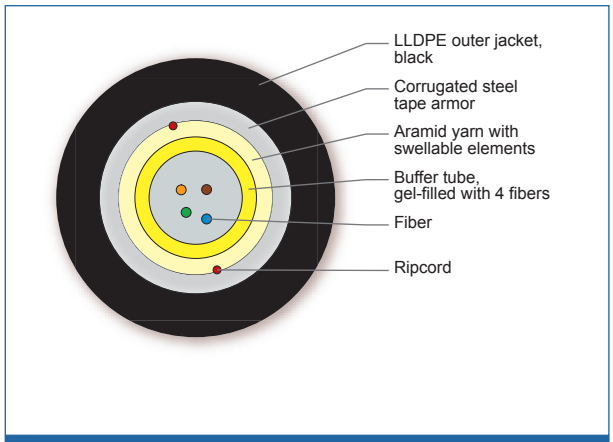
Corning central tube cables with corrugated steel armoring are designed for outdoor use for campus, city and intercity backbones in duct and direct burial installations.

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: 004EEC-13122A20




Cross Section of Part Number: 004EEC-13122A20

## Features and Benefits

**Waterblocking technology**
Outside Plant (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

**Fibers color coding to Telcordia-Bellcore**
Easy identification of the individual fibers

## Standards

| | |
|---|---|
| **Waterblocking** | IEC 60794-1-2 F5 |

## Specifications

| General Specifications | |
|---|---|
| Environment | Outdoor |
| Application | Direct Buried, Duct |
| Cable Type | Single Tube |
| Product Type | Corrugated Steel Armor |



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| General Specifications | |
|---|---|
| Fiber Category | SM (OS2) |
| Coding according to EN 60794-1-1 (DIN VDE 0888-100-1) | A-DQ(ZN)(SR)2Y |
| Previous Part Number | FWCT01-S0004-U003 |
| Previous coding following DIN VDE 0888-3 | A-DQ(ZN)(SR)2Y |

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

| Cable Design | |
|---|---|
| Fiber Count | 4 |
| Fiber Coloring | Blue, Orange, Green, Brown |
| Buffer Tube Color | Yellow |
| Buffer Tube Diameter | 3.0 mm |
| Number of Ripcords | 2 |
| Tensile Strength Elements and/or Armoring - Layer 1 | Corrugated steel tape armor with dielectric strength elements (aramid yarns) and swellable elements |
| Outer Jacket Material | Linear Low Density Polyethylene (LLDPE) |
| Outer Jacket Color | Black |
| Outer Jacket Nominal Thickness | 1.5 mm |
| Cable marking method | Hotfoil printing |
| Cable Marking | Meter - Handset - Sine - CORNING - Year - SST (TM) A-DQ(ZN)(SR)2Y 4F E9 CT 3.0 |

| 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/10 cm |
| Water penetration (0.1bar/24 h) | ≤ 1 m |

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| Chemical Characteristics | |
|---|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |

## Fiber Specifications

| Optical Characteristics (cabled) | |
|---|---|
| Fiber Name | E9/125 SMF28e+ |
| Fiber Core Diameter | 8.2 µm |
| Fiber Category | OS2 |
| Fiber Code | E |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Maximum 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 Ed.2.2 |

*Notes:* 1) *Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.*
2) *Improved attenuation and bandwidth options available.*
3) *Bend-insensitive single-mode fibers available on request.*
4) *Contact a Corning Customer Care Representative for additional information.*

## Ordering Information

| | |
|---|---|
| Part Number | 004EEC-13122A20 |
| Product Description | SST™ Central Tube Steel Armor Outdoor Cable 4F E9 SMF-28e+® ITU G652.D CT 3.0 |
| EAN Code | 4042673580669 |

## Shipping Information

| | |
|---|---|
| Maximum Delivery Length | 4,000 m |



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## *Notes*

RoHS COMPLIANT

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