

ALTOS® Loose Tube Outdoor Duct Cable LT 2.3 1x12 E9 SMF-28e+® ITU G652.D



Part Number:
012ER4-T3122A20

Corning stranded loose tube cables are designed for outdoor use for campus, city and intercity backbones in duct installations.

The loose tube cable construction, by isolating the fibers from installations and environmental rigors, provides stable and highly reliable transmission parameters. The buffer tubes and fibers in each tube are color coded for quick and easy identification.

The SZ-stranded construction further reduces installation and environmental influences on the transmission parameters and allows mid-span access.

These cables are designed for installation in conduits, ducts and on cable racks.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

UV- and microbe-resistant

Can be installed in ducts or conduits

Waterblocking technology

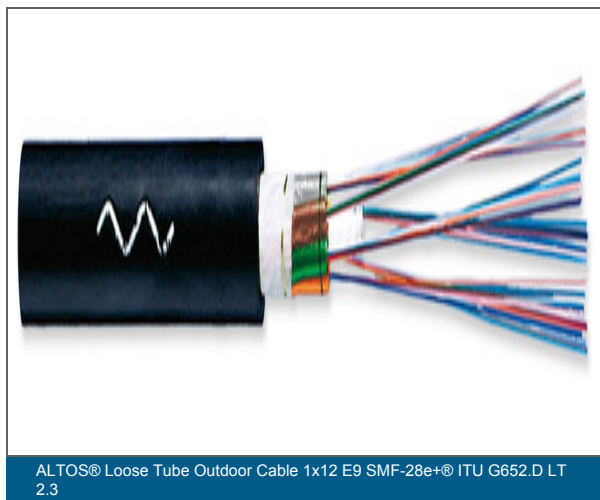
OSP (outdoor) applications

Fibres/buffer tubes colour coded to Telcordia-Bellcore

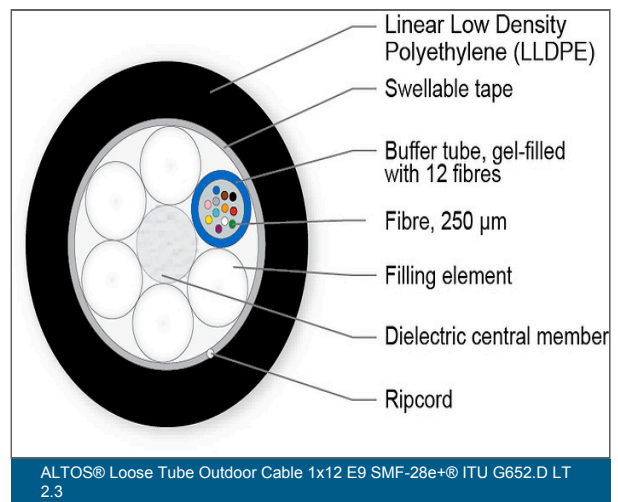
Easy identification of the individual tubes and fibres

Dry cable core by means of water swellable elements

Allows efficient and craft-friendly cable preparation in outdoor applications



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CORNING

Specifications

Mechanical Specifications

| | |
|--|--------------|
| Crush resistance | 2000 N/10 cm |
| Max. tensile strength for installation | 2700 N |
| Min. bend radius installation | 185 mm |
| Min. bend radius operation | 155 mm |
| Nominal outer diameter | 10.3 mm |

Cable Design

| | |
|--------------------------------|--|
| Cable marking | Meter - Handset - Sine - CORNING - Year -ALTOS (R) A-DQ(ZN)2Y 1X12 E9 LT 2.3 |
| Central element | Dielectric |
| Fibre count | 12 |
| Buffer tube colour coding | Blue |
| Number of ripcords | 1 |
| Outer jacket colour | Black |
| Outer jacket material | Linear Low Density Polyethylene (LLDPE) |
| Outer jacket nominal thickness | 1.5 mm |
| Buffer tube colour | Blue |
| Buffer tube diameter | 2.25 mm |
| Central element diameter | 2.5 mm |
| Number of active tubes | 1 |
| Number of filling elements | 5 |
| Number of tube positions | 6 |
| Tape | Water-swellable |
| Fibre colouring | Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise |
| Fibres per tube | 12 |

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Environmental Conditions

| | |
|---------------------------------|-----------------|
| Temperature range, installation | -5 °C to 50 °C |
| Temperature range, operation | -30 °C to 70 °C |
| Temperature range, storage | -40 °C to 70 °C |

General Specifications

| | |
|---|-------------------|
| Environment | Outdoor |
| Cable type | Loose tube |
| Product type | Dielectric |
| Fibre category | Single-mode (OS2) |
| Coding according to EN 60794-1-1 (DIN VDE 0888-100-1) | A-DQ(ZN)2Y |
| Application | Duct |

Ordering Information

| | |
|-------------------------|-----------------|
| Product Number | 012ER4-T3122A20 |
| EAN Code | 4056418000565 |
| Maximum delivery length | 6000 m |
| Weight | 79 kg/km |

Standards

| | |
|---------------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
| Waterblocking | IEC 60794-1-2 F5 |

Standards

| | |
|-----------------|--|
| Fibre Standards | TIA/EIA-492CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652.D, ISO/IEC 11801 Ed.2.2 |
|-----------------|--|

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Optical Characteristics

| | |
|----------------------------|--------------------------------------|
| Cable cutoff wavelength | 1260 nm |
| Fibre code | E |
| Fibre name | E9/125 SMF28e+® |
| Fibre Type | Single-mode |
| Fibre core diameter | 8.2 µm |
| Maximum Attenuation | 0.36 dB/km / 0.36 dB/km / 0.22 dB/km |
| Serial 1 gigabit ethernet | 5000 MHz*km / - / - |
| Serial 10 gigabit ethernet | 10000 MHz*km / - / 40000 MHz*km |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Fibre category | OS2 |



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