

ALTOS® Loose Tube Outdoor Cable

2x12 E9 SMF-28e+® ITU G652.D LT 2.3

CORNING

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 fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The buffer tubes and fibres in each tube are colour-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

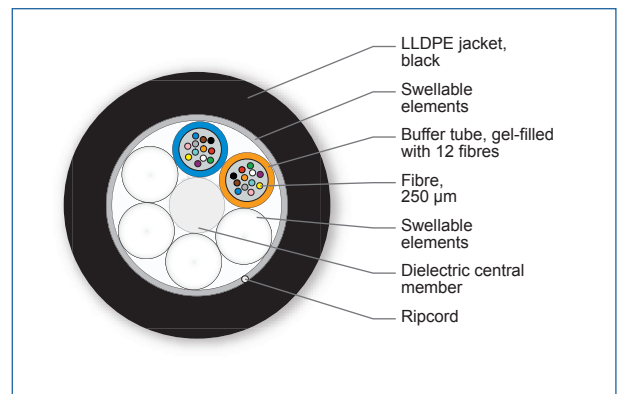
Easy identification of the individual tubes and fibres

Dry cable core by means of water swellable elements

Allows efficient and craft-friendly cable preparation in outdoor or indoor/outdoor applications



Part Number: 024ER4-T3122A20



Cross Section of Order Number: 024ER4-T3122A20

Standards

Waterblocking

IEC 60794-1-2 F5

Specifications

General Specifications	
Environment	Outdoor
Application	Duct
Cable type	Loose Tube
Product type	Dielectric

ALTOS® Loose Tube Outdoor Cable

2x12 E9 SMF-28e+® ITU G652.D LT 2.3

CORNING

General Specifications

Fibre Category	SM (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)2Y
Previous part number	FWLT01-S0024-U001
Previous coding following DIN VDE 0888-3	A-DQ(ZN)2Y

Temperature Range

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

Cable design

Central Element	Dielectric
Central Element Diameter	2.5 mm
Fibre Count	24
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12
Number of Tube Positions	6
Number of Active Tubes	2
Buffer tube colour coding	Blue, orange
Buffer tube diameter	2.25 mm
Number of filling elements	4
Tape	Water-swellaible
Number of ripcords	1
Outer jacket material	Linear Low Density Polyethylene (LLDPE)
Outer jacket colour	black
Outer jacket nominal thickness	1.5 mm
Cable marking	Metre - Handset - Sine - CORNING - Year - ALTOS (R) A-DQ(ZN)2Y 2X12 E9 LT 2.3

Mechanical Characteristics Cable

Nominal Outer Diameter	10.3 mm
Weight	79 kg/km
Min. Bend Radius Installation	185 mm

ALTOS® Loose Tube Outdoor Cable

2x12 E9 SMF-28e+® ITU G652.D LT 2.3

CORNING

Mechanical Characteristics Cable

Min. Bend Radius Operation	155 mm
Max. tensile strength for installation	2700 N
Crush resistance (reversible)	2000 N/10 cm

Chemical Characteristics

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

Fibre Specifications

Optical Characteristics (cabled)

Fibre name	E9/125 SMF28e+
Fibre core diameter	8.2 µm
Fibre Category	OS2
Fibre 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 fibres available on request.
4) Contact a Corning Customer Care Representative for additional information

Ordering Information

Part Number	024ER4-T3122A20
Product Description	ALTOS® Loose Tube Outdoor Cable 2x12 E9 SMF-28e+® ITU G652.D LT 2.3
EAN Code	4056418100616

Shipping Information

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

ALTOS® Loose Tube Outdoor Cable

2x12 E9 SMF-28e+® ITU G652.D LT 2.3

The logo consists of a solid blue square with the word "CORNING" written in white, uppercase, sans-serif font centered within the square.

Notes



Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY
00 800 2676 4641 · FAX: +49 30 5303 2335 · www.corning.com/opcomm/emea

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2016 Corning Optical Communications. All rights reserved.