

ALTOS® Loose Tube Outdoor Cable

4x12 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



Standards

Waterblocking IEC 60794-1-2 F5

Specifications

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

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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-S0048-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	48
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	4
Buffer tube colour coding	Blue, orange, green, brown
Buffer tube diameter	2.25 mm
Number of filling elements	2
Filling element colour	Natural
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 4X12 E9 LT 2.3

Mechanical Characteristics Cable

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

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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 2011/65/EU
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Ordering Information

Part Number	048ER4-T3122A20
Product Description	ALTOS® Loose Tube Outdoor Cable 4x12 E9 SMF-28e+® ITU G652.D LT 2.3
EAN Code	4056418100623

Shipping Information

Maximum delivery length	6,000 m
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Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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