

ALTOS® Loose Tube Steel Armor Double Jacket Outdoor Cable

4x12 E9 SMF-28e+® ITU G652.D LT 2.3

CORNING

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

Features and Benefits

Waterblocking technology

OSP (outdoor) applications

Corrugated steel armoring

Rodent, mechanical protection and direct buried applications

UV- and microbe-resistant

Can be installed in ducts or conduits

Dry cable core by means of water swellable elements

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

Fibers/buffer tubes color coding to Telcordia-Bellcore

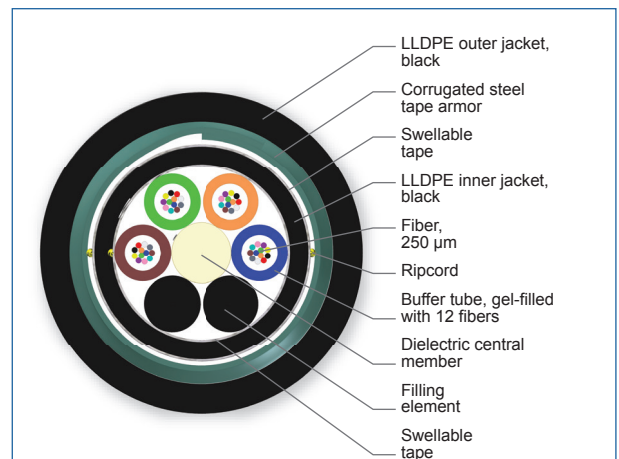
Easy identification of the individual tubes and fibers

SZ-stranded, loose tube design

Isolates fibers from installation and environmental rigors and facilitates mid-span access



Part Number: 048ER5-T3122A20



Cross Section of Part Number: 048ER5-T3122A20

Standards

Waterblocking

IEC 60794-1-2 F5

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Specifications

General Specifications	
Environment	Outdoor
Application	Duct, Direct Buried
Cable Type	Loose Tube
Product Type	Corrugated steel armor
Fiber Category	SM (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)2Y(SR)2Y
Previous Part Number	FWLT01-S0048-U006
Previous coding following DIN VDE 0888-3	A-DQ(ZN)2Y(SR)2Y

Temperature Range	
Installation	-5 °C to 50 °C
Operation	-30 °C to 70 °C
Storage	-40 °C to 70 °C

Cable Design	
Central Element	Glass reinforced Plastic (Dielectric)
Central Element Diameter	2.5 mm
Fiber Count	48
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	6
Number of Active Tubes	4
Buffer Tube Color Coding	Blue, Orange, Green, Brown
Buffer Tube Diameter	2.25 mm
Number of Filling Elements	2
Tape, Layer 1	Water-swellaable
Inner Jacket Material	Linear Low Density Polyethylene (LLDPE)
Inner jacket nominal thickness	1 mm
Tape, Layer 2	Water-swellaable
Number of Ripcords	3
Tensile Strength Elements and/or Armoring - Layer 2	Corrugated steel tape armor
Outer Jacket Material	Linear Low Density Polyethylene (LLDPE)
Outer Jacket Color	Black

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Cable Design

Outer Jacket Nominal Thickness	1.5 mm
Cable Marking	Meter Handset Sine CORNING Year ALTOS® A-DQ(ZN)2Y(SR)2Y 48 E9 LT 2.3

Mechanical Characteristics Cable

Nominal Outer Diameter	14.0 mm
Weight	180 kg/km
Min. Bend Radius Installation	308 mm
Max. Tensile Strength for Installation	2700 N
Crush Resistance	3000 N/10 cm
Water penetration (0.1bar/24 h)	≤ 1 m
Min. Bend Radius Operation	245 mm

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Ordering Information

Part Number	048ER5-T3122A20
Product Description	ALTOS® Loose Tube Steel Armor Double Jacket Outdoor Cable 4x12 E9 SMF-28e+® ITU G652.D LT 2.3
EAN Code	4042673580973

Shipping Information

Maximum Delivery Length	6,000 m
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