

ALTOS® Loose Tube Steel Armour Outdoor Cable

4x6 E9 SMF-28e+® ITU G652.D LT 2.3

CORNING

Corning stranded loose tube cables with smooth steel armouring is designed for outdoor use for campus, city and intercity backbones in duct and direct burial 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 for direct burial.

Features and Benefits

Waterblocking technology

OSP (outdoor) applications

Corrugated steel armouring

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

Fibres/buffer tubes colour coding to Telcordia-Bellcore

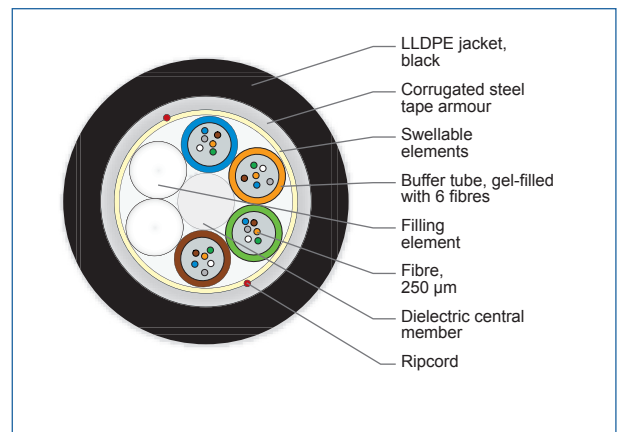
Easy identification of the individual tubes and fibres

SZ-stranded, loose tube design

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



Part Number: 024ERC-63122A20



Cross Section of Order Number: 024ERC-63122A20

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 armour
Fibre category	SM (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)(SR)2Y
Previous part number	FWLT01-N6024-U005
Previous coding following DIN VDE 0888-3	A-DQ(ZN)(SR)2Y

Temperature Range

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

CORNING 24 Core SM 9/125mic.Multi Loose-Tube around the Central Strength Member, Corrugated Steel Tape Armoured Outdoor F/O Cable

Cable design

Central Element	Dielectric
Central Element Diameter	2.5 mm
Fibre count	24
Fibre colouring	Blue, orange, green, brown, grey, white
Fibres per Tube	6
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
Tape	Water-swellable
Number of Ripcords	2
Tensile Strength Elements and/or Armouring - Layer 1	Corrugated steel tape armour
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)(SR)2Y 4X6 E9 LT 2.3

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Mechanical Characteristics Cable

Nominal Outer Diameter	11.6 mm
Weight	127 kg/km
Min. Bend Radius Installation	230 mm
Min. Bend Radius Operation	175 mm
Max. Tensile Strength for Installation	2700 N
Crush Resistance (reversible)	3000 N/10 cm

Chemical Characteristics

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

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/Pretium 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	024ERC-63122A20
Product Description	ALTOS® Loose Tube Steel Armour Outdoor Cable 4x6 E9 SMF-28e+® ITU G652.D LT 2.3
EAN Code	4042673573265

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Shipping Information

Maximum delivery length

6,000 m



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