

# Loose Tube Steel Armor Double Jacket Indoor/ Outdoor Cable 1x12 E9 SMF-28e+® ITU G652.D LT 2.3

CORNING

Part Number:  
012ERV-T3122H2G

## Features and Benefits

### Waterblocking technology

OSP (outdoor) applications

### Corrugated steel armoring

Rodent, mechanical protection and direct buried 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

### SZ-stranded, loose tube design

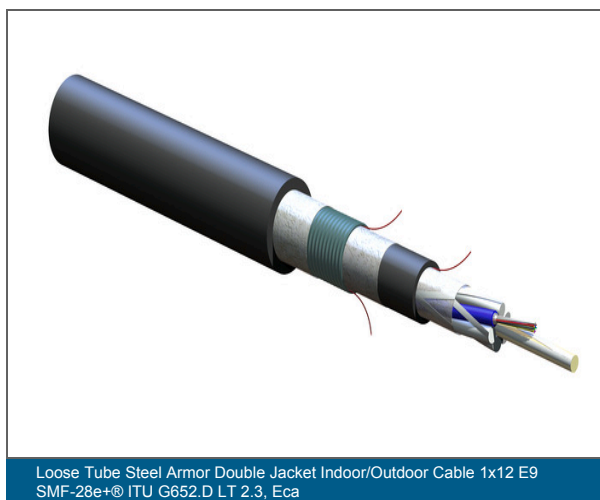
Isolates fibers from installation and environmental rigors and facilitates mid-span access

### UV and microbe resistant

Can be installed in ducts or conduits and direct buried

### Flame retardant

LSZHTM/FRNC



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## Specifications

### Mechanical Specifications

Crush Resistance	3000 N/10 cm
Fire Load	3.77 MJ/m
Min. Bend Radius Installation	292 mm
Min. Bend Radius Operation	219 mm
Nominal Outer Diameter	14.6 mm

### Cable Design

Cable Marking	Meter - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fibre Optic Cable - Year - U-DQ(ZN)H(SR)H 12 E9 LT 2.3 LSZH(TM)/FRNC
Central Element	Dielectric
Fiber Count	12
Buffer Tube Color Coding	Blue
Number of Ripcords	3
Outer Jacket Color	Black
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer Jacket Nominal Thickness	2 mm
Tensile Strength Elements and/or Armoring - Layer 2	Corrugated steel tape armor with water-swellaable tape
Buffer Tube Color	Blue
Buffer Tube Diameter	2.25 mm
Buffer Tube Water Blocking	Thixotropic Gel
Central Element Diameter	2.5 mm
Inner Jacket Material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Inner Jacket Nominal Thickness	1 mm
Number of Active Tubes	1
Number of Tube Positions	6
Tape, Layer 1	Water-swellaable

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## Cable Design

Tape, Layer 2	Water-swellable
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12

## Environmental Conditions

Temperature Range, Installation	-5 °C to 50 °C
Temperature Range, Operation	-30 °C to 75 °C
Temperature Range, Storage (Stored on drum with original packing)	-40 °C to 75 °C

## General Specifications

Environment	Indoor/Outdoor
Cable Type	Loose Tube
Product Type	Corrugated Steel Armor
Fiber Category	Single-mode (OS2)
Flame Rating	LSZH™/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)H(SR)H
Application	Direct Buried, Duct, General Building Applications

## Ordering Information

Product Number	012ERV-T3122H2G
EAN Code	4056418105635
Weight	250 kg/km

## Standards

Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable) and IEC 60332-3-24 (bunch of cables)
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## Standards

Reaction to fire requirements	Reaction to fire according to EN 50575 and EN 13501-6
Smoke density	Low Smoke to IEC 61034
Halogen content test	Zero Halogen to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Flame Test Method	Flame retardant according to IEC 60332-1-2 (single cable), IEC 60332-3-24 (bunch of cables) Reaction to fire according to EN 50575 and EN 13501-6 Low smoke according to IEC 61034 and zero halogen to IEC 60754-1 Non-corrosive according to IEC 60754-2
Waterblocking	IEC 60794-1-2 F5
Reaction to fire	Eca

## Standards

Fiber 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
Fiber Code	E
Fiber Name	E9/125 SMF28e+®
Fiber Type	Single-mode
Fiber 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
Fiber Category	OS2

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The Corning logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font.

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