

Central Tube Dielectric Armour Indoor/Outdoor Cable

1x12 G50 MMF ClearCurve® OM4 CT 3.0

CORNING

The central tube cable construction, by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibres in are colour coded for quick, easy identification.

The cable construction, based on a central buffer tube, is very compact, light and flexible, and ideal for connections requiring a moderate fiber count.

These cables are designed for installation in conduits, ducts and in-house.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

Laminated swelling glass yarns

Improved rodent resistance and longitudinal water protection

UV- and microbe-resistant

Can be installed in ducts or conduits

Small diameter and bend radius

Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres

Waterblocking technology

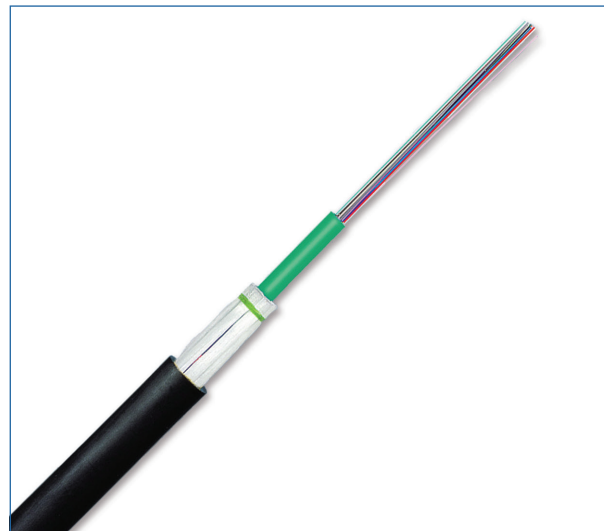
OSP (outdoor) applications

Silicon-free outer jacket

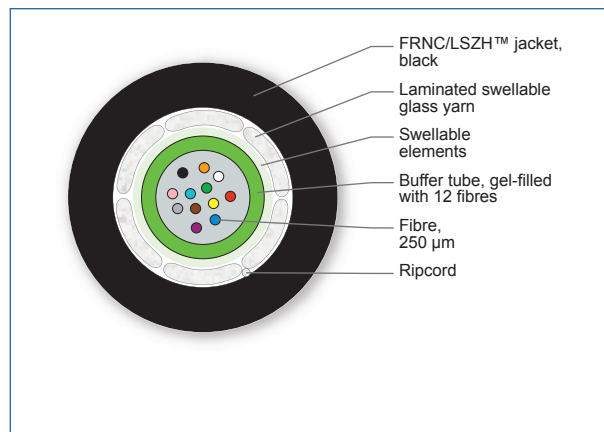
The cable jacket is free of harmful to paint structures

Flame retardant

LSZH™/FRNC



Part Number: 012TEU-13198A2G



Cross Section of Order Number: 012TEU-13198A2G

Standards

Flame Test Method

Flame retardant to IEC 60332-1-2 (single cable)

Reaction to fire according to EN 50575 and EN 13501-6

Low Smoke to IEC 61034 and Zero Halogen to IEC 60754-1

Non Corrosive to IEC 60754-2

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Standards

Waterblocking IEC 60794-1-2 F5

Specifications

General Specifications	
Environment	Indoor/Outdoor Universal Cable
Application	Duct, Vertical Riser, General Purpose Horizontal
Cable type	Central Tube
Product type	Dielectric armour
Flame rating	LSZH™/FRNC
Fibre Category	50 µm MM (OM4)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)BH
Previous part number	LCXLM1-K0012-K700
Previous coding following DIN VDE 0888-3	A-DQ(BN)H
Reaction to fire	Dca, s2,d2,a1

Temperature Range	
Installation and assembly	-5 °C to 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 70 °C

Cable Design	
Fibre Count	12
Fibre colouring	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Turquoise
Buffer tube diameter	3 mm
Buffer tube colour	Green
Number of ripcords	1
Tensile Strength Elements and/or Armouring - Layer 1	Laminated swelling glass yarn armour
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket colour	Black

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Cable Design

Outer jacket nominal thickness	1.2 mm
Cable marking	Metre - Handset - CE 17 EN 50575 Dca,s2,d2,a1 - Sine - CORNING - Fibre Optic Cable - Year - U-DQ(ZN)BH 12 OM4CC CT 3.0 LSZH(TM)/FRNC

Mechanical Characteristics Cable

Nominal Outer Diameter	6.6 mm
Weight	46 kg/km
Min. Bend Radius Installation	130 mm
Min. Bend Radius Operation	100 mm
Max. tensile strength for installation	1000 N
Crush resistance (reversible)	1500 N/10 cm
Fire Load	0.94 MJ/m

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Fibre Specifications

Optical Characteristics (cabled)

Fibre name	G50/125 ULTRA-BEND 7.5
Fibre code	T
Fibre core diameter	50 µm
Fibre Category	OM4
Wavelengths	850 nm / 1300 nm
Maximum attenuation	2.8 dB/km / 1.0 dB/km
Typical attenuation	2.4 dB/km / 0.8 dB/km
Serial 1 gigabit ethernet	1100 m / 600 m
Serial 10 gigabit ethernet	550 m / -
Min. overfilled launch (OFL) bandwidth	3500 MHz*km / 500 MHz*km
Minimum effective modal bandwidth (EMB)	4700 MHz*km / -
Induced attenuation @ 7.5 mm radius	< 0.2 dB / -

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
2) 50 µm multimode fibre macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
3) Improved attenuation and bandwidth options available
4) Bend-insensitive single-mode fibres available on request.
5) Contact a Corning Customer Care Representative for additional information

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Ordering Information

Part Number	012TEU-13198A2G
Product Description	Central Tube Dielectric Armour Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM4 CT 3.0, Dca,s2,d2,a1
EAN Code	4042673336747

Shipping Information

Maximum delivery length	4,000 m
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