

Central Tube Dielectric Armour Indoor/ Outdoor Cable

1x12 G62.5 MMF InfiniCor® OM1 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

Standards

Flame Test Method

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

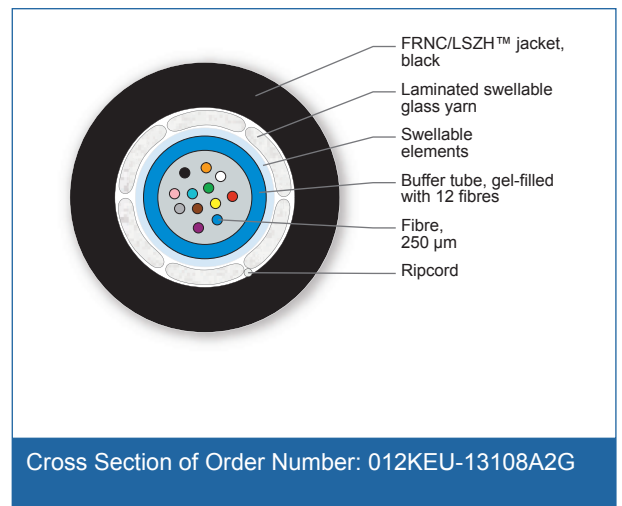
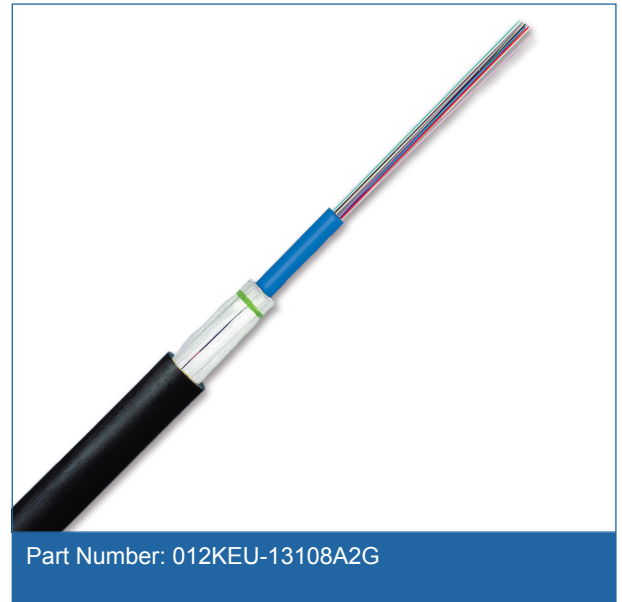
Low Smoke to IEC 61034

Zero Halogen to IEC
60754-1

Non Corrosive to IEC
60754-2

Waterblocking

IEC 60794-1-2 F5



Central Tube Dielectric Armour Indoor/ Outdoor Cable

1x12 G62.5 MMF InfiniCor® OM1 CT 3.0

CORNING

Specifications

General Specifications	
Environment	Indoor / Outdoor
Application	Duct, Vertical Riser, General Purpose Horizontal
Cable Type	Loose Tube
Product Type	Dielectric armour
Flame Rating	LSZH™/FRNC
Fibre category	62.5 µm MM (OM1)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)BH
Previous Part Number	LCXLM1-M0012-A700
Previous coding following DIN VDE 0888-3	A-DQ(BN)H

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	blue
Tensile Strength Elements and/or Armouring - Layer 1	Laminated swelling glass yarn armour
Number of Ripcords	1
Outer Jacket Material	Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material
Outer Jacket Colour	black
Outer Jacket Nominal Thickness	1.2 mm
Cable Marking	Meter Handset Sine CORNING Fibre Optic Cable Year U-DQ(ZN)BH 12 OM1 CT 3.0 LSZH™/ FRNC

Mechanical Characteristics Cable	
Nominal Outer Diameter	6.6 mm
Weight	46 kg/km

Central Tube Dielectric Armour Indoor/ Outdoor Cable

1x12 G62.5 MMF InfiniCor® OM1 CT 3.0

CORNING

Mechanical Characteristics Cable

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 2002/95/EG
------	---

Fibre Specifications

Optical Characteristics (cabled)

Fibre Name	G62.5L/125 InfiniCor® 300
Fibre Core Diameter	62.5 µm
Fibre category	OM1
Fibre Code	K
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.1 dB/km / 0.8 dB/km
Typical attenuation	2.9 dB/km / 0.7 dB/km
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 600 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -

Notes: 1) Improved attenuation and bandwidth options available
2) Bend-insensitive single-mode fibres available on request
3) Contact a Corning Customer Care Representative for additional information

Ordering Information

Part Number	012KEU-13108A2G
Product Description	Central Tube Dielectric Armour Indoor/Outdoor Cable 1x12 G62.5 MMF InfiniCor® OM1 CT 3.0
EAN Code	4042673422266

Central Tube Dielectric Armour Indoor/ Outdoor Cable

1x12 G62.5 MMF InfiniCor® OM1 CT 3.0

The CORNING logo is displayed in white, uppercase letters within a solid blue square.

Shipping Information

Maximum Delivery Length	4,000 m
-------------------------	---------



Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY
00 800 2676 4641 · FAX: +49 30 5303 2335 · www.corning.com/opcomm/emea

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2014 Corning Optical Communications. All rights reserved.