

Loose Tube Steel Armour Indoor/Outdoor Cable 1x12 G62.5 MMF InfiniCor® OM1 LT 2.3

CORNING

Part Number:
012KRY-T3108H2G

Corning MPC (multipurpose cable) stranded loose tube cables are flame retardant, indoor/outdoor and designed for interbuilding/intrabuilding backbones in duct and other riser applications.

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, direct burial and in-house.

Features and Benefits

Waterblocking technology

OSP (outdoor) applications

Corrugated steel armouring

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

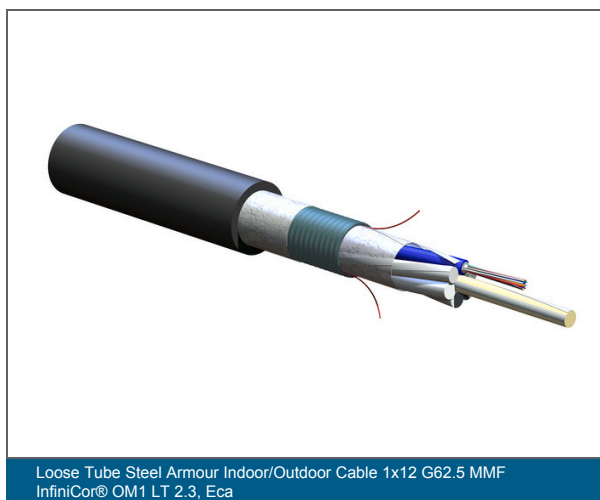
Isolates fibres from installation and environmental rigors and facilitates mid-span access

UV and microbe resistant

Can be installed in ducts or conduits and direct buried

Flame retardant

LSZH™/FRNC



Loose Tube Steel Armour Indoor/Outdoor Cable 1x12 G62.5 MMF InfiniCor® OM1 LT 2.3

CORNING

Specifications

Mechanical Specifications

Crush resistance	3000 N/10 cm
Fire load	2.556 MJ/m
Max. tensile strength for installation	2700 N
Min. bend radius installation	230 mm
Min. bend radius operation	175 mm
Nominal outer diameter	11.4 mm

Cable Design

Cable marking	Metre - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)(SR)H 12 OM1 LT 2.3 LSZH(TM)/FRNC
Central element	Dielectric
Fibre count	12
Buffer tube colour coding	Blue
Number of ripcords	2
Outer jacket colour	Black
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket nominal thickness	1.5 mm
Buffer tube colour	Blue
Buffer tube diameter	2.25 mm
Buffer tube water blocking	Thixotropic gel
Central element diameter	2.5 mm
Number of active tubes	1
Number of filling elements	5
Number of tube positions	6
Tape	Water-swellaable
Tensile strength elements and/or armouring	Corrugated steel tape armour with water-swellaable tape

Loose Tube Steel Armour Indoor/Outdoor Cable 1x12 G62.5 MMF InfiniCor® OM1 LT 2.3

CORNING

Cable Design

Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12

Environmental Conditions

Temperature range, installation	-5 °C to 50 °C
Temperature range, storage	-40 °C to 75 °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 armour
Fibre category	62.5 µm MM (OM1)
Flame rating	LSZH™/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)(SR)H
Application	Direct Buried, Duct, General building applications

Ordering Information

Product Number	012KRY-T3108H2G
EAN Code	4056418782317
Maximum delivery length	4000 m
Weight	155 kg/km

Loose Tube Steel Armour Indoor/Outdoor Cable 1x12 G62.5 MMF InfiniCor® OM1 LT 2.3

CORNING

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Design And Test Criteria	Repeated bending test according to IEC 60794-1-21 Method E6 (max. number of cycles: 15)
Flame Test Method	Flame retardant according to IEC 60332-1-2 (single cable), 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
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable)
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
Reaction to fire	Eca

Optical Characteristics	
Fibre code	K
Fibre name	G62.5L/125 InfiniCor® 300
Fibre Type	Multimode
Fibre core diameter	62.5 µm
Minimum effective modal bandwidth (EMB)	220 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. overfilled launch (OFL) bandwidth	200 MHz*km / 600 MHz*km
Serial 1 gigabit ethernet	300 MHz*km / 550 MHz*km
Serial 10 gigabit ethernet	33 MHz*km / -
Typical attenuation	2.9 dB/km / 0.7 dB/km
Wavelengths	850 nm / 1300 nm
Fibre category	OM1

Loose Tube Steel Armour Indoor/Outdoor Cable 1x12 G62.5 MMF InfiniCor® OM1 LT 2.3

The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

Corning Optical Communications GmbH & Co. KG • Leipziger Strasse 121 • 10117 Berlin, Germany
+00 800 2675 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. © 2022 Corning Optical Communications. All rights reserved.