

Loose Tube Steel Armour Indoor/Outdoor Cable LT 2.3

1x12 G50 MMF ClearCurve® OM4 LT 2.3

CORNING

Corning MPC (multi-purpose 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 colour coded for quick, 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

UV and microbe resistant

Can be installed in ducts or conduits

Corrugated steel armouring

Rodent, mechanical protection and direct buried applications

Fibres/buffer tubes colour coding to Telcordia-Bellcore

Easy identification of the individual tubes and fibres

Dry cable core by means of water swellable elements

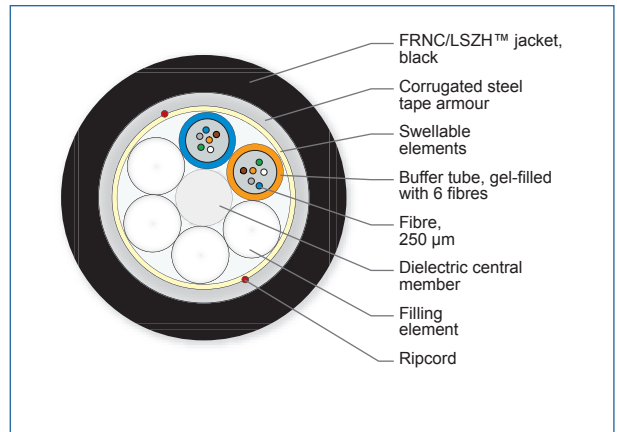
Allows efficient and craft-friendly cable preparation in outdoor or indoor/outdoor applications

SZ-stranded, loose tube design

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



Part Number: 012TRY-T3198A2G



Cross Section of Order Number: 012TRY-T3198A2G

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Standards

Flame Test Method	Non-corrosive according to IEC 60754-2 (FRNC) and EN 50267 Flame retardant according to IEC 60332-3-24 and EN 50266-2-4 Halogen-free Low smoke according to IEC 61034 and EN 50268
Waterblocking	IEC 60794-1-2 F5

Specifications

General Specifications	
Environment	Indoor / Outdoor
Application	Direct Buried, Duct, Vertical Riser
Cable Type	Loose Tube
Product Type	Corrugated steel 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)(SR)H
Previous Part Number	FWLT01-N6012-K007
Previous coding following DIN VDE 0888-3	A-DQ(ZN)(SR)H

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

Cable Design	
Central Element	Dielectric
Central Element Diameter	2.5 mm
Fibre Count	12
Fibres per Tube	6
Fibre colouring	Blue, orange, green, brown, grey, white

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Cable Design

Buffer tube diameter	2.25 mm
Number of Tube Positions	6
Number of filling elements	4
Filling element colour	Natural
Number of Active Tubes	2
Buffer tube colour coding	Blue, orange
Tape	Water-swellaible
Number of Ripcords	2
Tensile Strength Elements and/or Armouring - Layer 1	Corrugated steel tape armour
Outer Jacket Material	Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material
Outer Jacket Colour	Black
Outer Jacket Nominal Thickness	1.5 mm
Cable Marking	Meter Handset Sine CORNING Fibre Optic Cable Year U-DQ(ZN)(SR)H 12 OM4CC LT 2.3 LSZH[™]/FRNC

Mechanical Characteristics Cable

Nominal Outer Diameter	11.6 mm
Weight	153 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/10cm
Fire Load	2.62 MJ/m

Chemical characteristics

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

Optical Characteristics (cabled)	
Fibre Name	G50/125 ULTRA-BEND 7.5
Fibre Core Diameter	50 µm
Fibre Category	OM4
Fibre Code	K
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™/Pretium 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

Ordering Information

Part Number	012TRY-T3198A2G
Product Description	Loose Tube Steel Armour Indoor/Outdoor Cable 1x12 G50 MMF ClearCurve® OM4 LT 2.3
EAN Code	4042673616719

Shipping Information

Maximum Delivery Length	4,000 m
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