

# MIC® Tight Buffer Indoor Cable 12F G50 MMF ClearCurve® OM3 0.9mm TB3, Cca-s1a,d1,a1

CORNING

**Part Number:**  
**012T8Z-32188E2G**

Corning LANscape® indoor cables can be deployed indoor as building backbone (riser) cabling as well as for the cabling between floor distributors.

The tight-buffered construction facilitates easier termination for low-fiber-count applications in the local area network (LAN) and eliminates need for fan-out kits.



## Features and Benefits

**All-dielectric construction**

Requires no grounding or bonding

**Small diameter and bend radius**

Easy installation in space-constrained areas

**TB3 tight buffered construction**

Easy and consistent stripping over 10 cm

**Silicon-free outer jacket**

The cable jacket and the outer jacket of subunits (not valid for 900 µm tight buffers) are free of harmful components to paint structures

**Flame retardant**

LSZHTM/FRNC

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## Specifications

### Mechanical Specifications

Crush Resistance	1000 N/10 cm
Min. Bend Radius Installation	93 mm
Min. Bend Radius Operation	62 mm
Nominal Outer Diameter	6.2 mm

### Cable Design

Cable Marking	Meter - Handset - CE 17 EN 50575 Cca-s1a,d1,a1 - Sine - CORNING - Fibre Optic Cable - Year - MIC(R) J-V(ZN)H 12 OM3CC TB3 0.9 LSZH(TM)/FRNC
Central Element	Yarn
Fiber Count	12
Number of Ripcords	1
Buffer Tube Diameter	900 mm
Outer Jacket Color	Aqua
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, silicon-free, zero-halogen (FRNC/LSZH) material
Tensile Strength Elements and/or Armoring - Layer 1	Aramid yarn
Tight Buffer Type	TB3 (easy strip up to 10 cm)
Flame Rating	LSZH™/FRNC

### Environmental Conditions

Temperature Range, Installation	-5 °C - 50 °C (23 °F - 122 °F)
Temperature Range, Storage	-25 °C - 70 °C (-13 °F - 158 °F)

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## Environmental Conditions

Temperature Range, Operation -20 °C - 60 °C (-4 °F - 140 °F)

## General Specifications

Environment Indoor

Cable Type Tight-Buffered

Product Type Dielectric

Fiber Category 50 µm MM (OM3)

Flame Rating LSZH™/FRNC

Coding according to EN 60794-1-1 (DIN VDE 0888-100-1) J-V(ZN)H

Application Vertical Riser , General Purpose Horizontal , Indoor Horizontal , General Building Applications

## Ordering Information

Weight 36 kg/km

## Standards

Reaction to fire Cca, s1a, d1, a1

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

Flame Test Method Flame retardant according to IEC 60332-1-2 (single cable) and 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

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

## Optical Characteristics

Fiber Code	T
Fiber Name	G50/125 ULTRA-BEND 7.5
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1100 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	300 MHz*km/ 333 MHz*km
Typical Attenuation	2.4 / 0.8
Wavelengths	850 nm / 1300 nm
Fiber Category	OM3

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