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

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

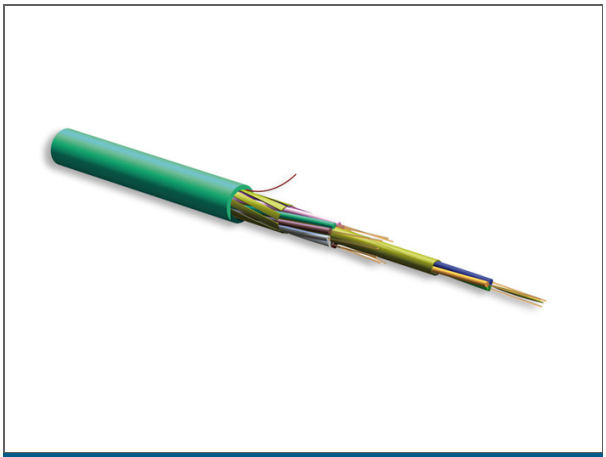
All-dielectric construction
Requires no grounding or bonding

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
LSZH/FRNC



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Specifications

General Specifications	
Cable Type	Tight-Buffered
Environment	Indoor
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	General purpose, Horizontal, Vertical Riser
Cable geometry	Round

Standards	
Reaction to Fire	Dca, s1a, d1, a1
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable) and IEC 60332-3-24 (bunch of cables)
Reaction to Fire Requirements	Reaction to fire according to EN 50575 and EN 13501-6
Smoke density	Low smoke according to IEC 61034
Halogen content test	Zero Halogen according to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

Environmental Conditions	
Temperature Range, Installation	-5 °C to 50 °C (23 °F to 122 °F)
Temperature Range, Operation	-20 °C to 60 °C (-4 °F to 140 °F)
Temperature Range, Storage	-25 °C to 70 °C (-13 °F to 158 °F)

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CORNING

Cable Design	
Cable Marking	Meter - Handset - CE 23 EN 50575 Dca-s1a,d1,a1 - Sine - CORNING - Fiber 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
Outer Jacket Color	Aqua
Buffering Diameter	900 µm
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, silicon-free, zero-halogen (FRNC/LSZH) material
Outer Jacket Nominal Thickness	0.8 mm
Tensile Strength Elements and/or Armoring - Layer 1	Aramid Yarn
Tensile Strength Elements and/or Armoring - Layer 2	Aramid Yarn
Tight Buffer Color, Layer 1	Blue, Orange, Green
Tight Buffer Color, Layer 2	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tight Buffer Type	TB3 (easy strip up to 10 cm)
Flame Rating	LSZH/FRNC

Mechanical Specifications	
Crush Resistance	1000 N/10 cm
Fire Load	0.7 MJ/m
Max. Tensile Strength for Installation	800 N
Min. Bend Radius Installation	93 mm
Min. Bend Radius Operation	62 mm
Nominal Outer Diameter	6.2 mm

Optical Characteristics	
Fiber Code	T
Performance Option Code	88
Fiber Category	OM3

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Optical Characteristics	
Fiber Type	Multimode
Fiber Name	50 µm MM (OM3)
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm
Fiber Compliance	IEC 60793-2-10
Fiber Core Diameter	50 µm
Cladding diameter	125 µm
Coating diameter	242 µm
Serial 1 Gigabit Ethernet	750 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km

Dimensions	
Cable Weight	36 kg/km
Max. cable length per reel/drum	4000 m

RoHS COMPLIANT

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