

MIC™ Tight Buffer Indoor Cable 24F G50 MMF ClearCurve® OM3 0.9 mm TB3, Dca-s1a, d1, a1

The Corning logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font.

Part Number:
024T8Z-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-fibre-count applications in the local area network (LAN) and eliminates need for fan-out kits.

Features and Benefits

All-dielectric cable 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
Fibre 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 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
Temperature range, operation	-20 °C to 60 °C
Temperature range, storage	-25 °C to 70 °C

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Cable Design

Cable marking	Metre - Handset - CE 17 EN 50575 Cca-s1a,d1,a1 - Sine - CORNING - Fiber Optic Cable - Year - MIC(R) J-V(ZN)H 24 OM3CC TB3 0.9 LSZH(TM)/FRNC
Central element	Yarn
Fibre count	24
Number of ripcords	1
Outer jacket colour	Turquoise
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 armouring - Layer 1	Aramid yarn
Tensile strength elements and/or armouring - Layer 2	Aramid yarn
Tight buffer colour, layer 1	Blue, orange, green, brown, grey, white, red, black, yellow
Tight buffer colour, layer 2	Violet,pink,turquoise,blue*,orange*,green*,brown*,grey*,white*,red*,black*,yellow*,violet*,pink*,Turquoise*
Tight buffer type	TB3 (easy strip up to 10 cm)
Flame rating	LSZH/FRNC

Mechanical Specifications

Crush resistance	1000 N/10 cm
Fire load	1.13 MJ/m
Max. tensile strength for installation	1000 N
Min. bend radius installation	120 mm
Min. bend radius operation	80 mm
Nominal outer diameter	8 mm

Optical Characteristics

Fibre code	T
Fibre name	G50/125 ULTRA-BEND 7.5

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Optical Characteristics

Fibre Type	Multimode
Fibre 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 dB/km / 0.8 dB/km
Wavelengths	850 nm / 1300 nm
Induced Attenuation	For 7.5 mm radius < 0.2 db / -
Fibre category	OM3

Dimensions

Cable Weight	59 kg/km
Max. cable length per reel/drum	4000 m



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