

MIC® Tight Buffer Indoor Cable 4F E9 SMF-28e+® 0.9mm TB3, Dca-s1a, d1, a1

CORNING

Part Number:
004E8Z-32125E2G

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

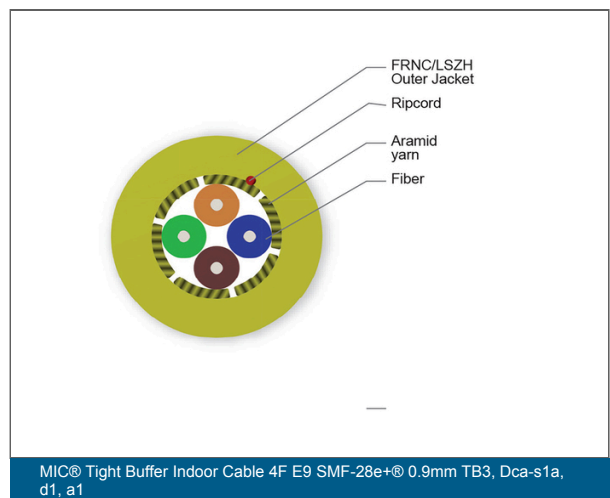
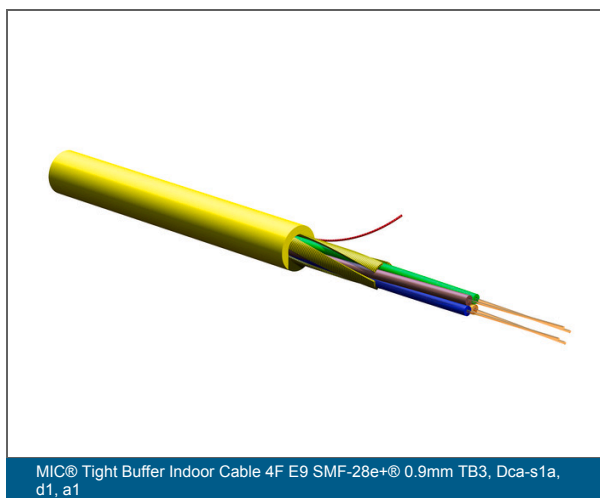
Easy and consistent stripping over 10 cm

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	Single-mode (OS2)
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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Cable Design

Cable Marking	Metre - Handset - CE 23 EN 50575 Dca-s1a,d1,a1 - Sine - CORNING - Fiber Optic Cable - Year - MIC(R) J-V(ZN)H 4 E9 TB3 0.9 LSZH(TM)/FRNC
Fiber Count	4
Number of Ripcords	1
Outer Jacket Color	Yellow
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
Tight Buffer Color	Blue, Orange, Green, Brown
Tight Buffer Type	TB3 (easy strip up to 10 cm)
Flame Rating	LSZH/FRNC

Mechanical Specifications

Crush Resistance	1000 N/10 cm
Fire Load	0.35 MJ/m
Max. Tensile Strength for Installation	600 N
Min. Bend Radius Installation	63 mm
Min. Bend Radius Operation	42 mm
Nominal Outer Diameter	4.2 mm

Optical Characteristics

Fiber Code	E
Performance Option Code	25
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Single-mode (OS2)
Maximum Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km

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Optical Characteristics

Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D
Cladding diameter	125 µm
Coating diameter	242 µm
Dispersion @ 1550 nm	≤ 18 [ps/(nm*km)]
Dispersion @ 1625 nm	≤ 22 [ps/(nm*km)]
Dispersion in the range 1285 to 1330 nm	≤ 3.5 [ps/(nm*km)]
Cable cutoff wavelength	1260 nm
Mode-Field Diameter at 1310 nm	9.2 µm
Mode-Field Diameter at 1550 nm	10.4 µm

Dimensions

Cable Weight	18 kg/km
Max. cable length per reel/drum	2000 m



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