

MIC® Tight Buffer Indoor Cable 12F E9/125 SMF-28® Ultra 0.9mm TB3, Cca-s1a,d1,a1



CORNING

Part Number:
012Z8Z-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 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

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

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 12 E9ULTRA/125 TB 0.9 LSZH(TM)/FRNC
Central element	Yarn
Fibre count	12
Number of ripcords	1
Outer jacket colour	Ivory
Buffering diameter	900 µm
Tensile strength elements and/or armouring - Layer 1	Aramid yarn
Tight buffer type	TB3 (easy strip up to 10 cm)
Cable marking method	Inkjet printing
Flame rating	LSZH™/FRNC

Environmental Conditions

Temperature range, installation	-5 °C to 50 °C
Temperature range, storage	-25 °C to 70 °C
Temperature range, operation	-20 °C to 60 °C

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General Specifications

Environment	Indoor
Cable type	Tight-buffered
Product type	Dielectric
Fibre category	SMF-28® Ultra fibre
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

Product Number	012Z8Z-32125E2G
EAN Code	4056418100067
Maximum delivery length	2000 m
Weight	36 kg/km

Standards

Reaction to fire	Cca, 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 to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

Optical Characteristics

Cable cutoff wavelength	1260 nm
Fibre code	Z

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Optical Characteristics	
Fibre name	SMF-28® Ultra TB Cable Optical Fibre
Fibre Type	Single-mode
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1
Cladding diameter	125 µm
Dispersion @ 1550 nm	18 nm
Dispersion in the range 1285 to 1330 nm	3.5 nm
Maximum Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Mode-Field Diameter at 1310 nm	9.2 µm
Serial 1 gigabit ethernet	5000 MHz*km / - / -
Serial 10 gigabit ethernet	10000 MHz*km / 40000 MHz*km
Wavelengths	1310 nm / 1383 nm / 1550 nm
PMD Link Design Value	0.04 ps/(nm*km)
PMD (Polarization Mode Dispersion) maximum individual fibre	0.1 ps/(nm*km)
Coating diameter	242 µm



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