

# FREEDM™ Tight Buffer Indoor/Outdoor Cable

4F E9 SMF-28e+® 0.9mm TB3

CORNING

Corning MPC (multipurpose cable) tight-buffered cables are flame-retardant, indoor/outdoor cables designed for interbuilding and intrabuilding backbones in duct and riser applications.

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.

These cables are designed for installation in conduits, ducts and in-house.

## Features and Benefits

### Waterblocking technology

OSP (outdoor) applications

### All-dielectric cable construction

Requires no grounding or bonding

### UV- and microbe-resistant

Can be installed in ducts or conduits

### Dry cable core by means of water swellable elements

Allows efficient and craft-friendly cable preparation in outdoor or indoor/outdoor applications

### Small diameter and bend radius

Easy installation in space-constrained areas

### TB3 tight-buffered construction

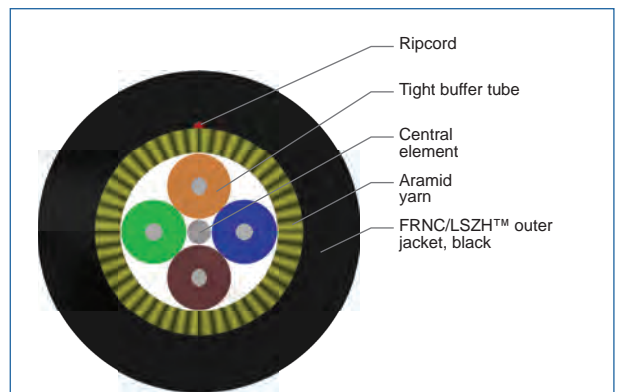
Easy and consistent stripping up to 10 cm

### Silicon-free outer jacket

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



Part Number: 004E8X-32125E2G



Cross Section of Order Number: 004E8X-32125E2G

## Standards

### Flame Test Method

Flame retardant to IEC 60332-1-2 (single cable)

Flame retardant to IEC 60332-3-24 (bunch of cables)

Low Smoke to IEC 61034 and Zero Halogen to IEC 60754-1

Non Corrosive to IEC 60754-2

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## Standards

Waterblocking

IEC 60794-1-2F5

## Specifications

General Specifications	
Environment	Indoor / Outdoor
Application	Direct Buried, Duct, Vertical Riser, General Purpose Horizontal
Cable type	Tight-Buffered
Product type	Dielectric
Flame rating	LSZH™/FRNC
Fibre Category	SM (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-VQ(ZN)H
Previous part number	LCXLN2-D5004-U700
Previous coding following DIN VDE 0888-3	A-VQH

Temperature Range	
Installation and assembly	-5 °C to 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 70 °C

Cable Design	
Fibre Count	4
Buffering Diameter	900 µm
Tight Buffer Type	TB3 (strippable up to 10 cm)
Tight Buffer Colour	Blue, orange, green, brown
Tensile Strength Elements and/or Armouring - Layer 1	Aramid yarn with swellable elements
Number of ripcords	1
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket colour	black
Outer jacket nominal thickness	0.8 mm
Cable marking	Meter Handset Sine CORNING Fibre Optic Cable Year FREEDM™ U-VQ(ZN)H 4 E9 TB3 0.9 LSZH™/FRNC

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## Mechanical Characteristics Cable

Nominal Outer Diameter	4.5 mm
Weight	20 kg/km
Min. Bend Radius Installation	68 mm
Min. Bend Radius Operation	45 mm
Max. tensile strength for installation	600 N
Crush resistance (reversible)	750 N/10 cm
Fire Load	0.4 MJ/m

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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## Ordering Information

Part Number	004E8X-32125E2G
Product Description	FREEDM™ Tight Buffer Indoor/Outdoor Cable 4F E9 SMF-28e+® 0.9mm TB3
EAN Code	4042673455929

## Shipping Information

Maximum delivery length	2,000 m
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