

Breakout Tight Buffer Indoor Cable (2.8mm)

4F E9 SMF-28e+® TB3

CORNING

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.

The cables can be installed in conduits and shafts inside buildings.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

Small diameter and bend radius

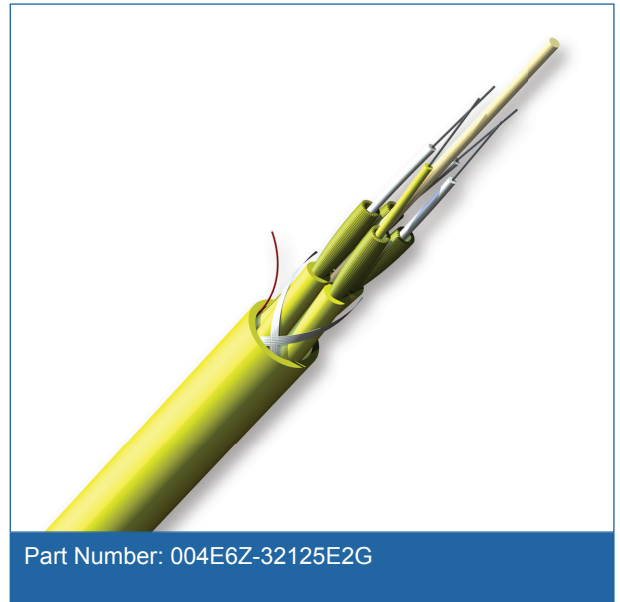
Easy installation in space-constrained areas

TB3 tight buffered construction

Easy and consistent stripping over 10cm

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: 004E6Z-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

Breakout Tight Buffer Indoor Cable (2.8mm)

4F E9 SMF-28e+® TB3

CORNING

Specifications

General Specifications	
Environment	Indoor
Application	Vertical Riser, General Purpose Horizontal, Indoor horizontal, General building applications
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)	J-V(ZN)HH
Previous part number	LCXLI2-D3004-U720
Previous coding following DIN VDE 0888-3	T-VHH

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

Cable design	
Central Element	Dielectric
Central Element Diameter	1.2 mm
Fibre count	4
Buffering Diameter	900 µm
Tight Buffer Type	TB3 (strippable up to 10 cm)
Tight buffer colour subunits	Yellow, white, white, white
Fibres per Subunit	1
Number of Subunits	4
Subunit Diameter	2.8 mm
Subunit Tensile Strengths Elements Armouring	Aramid yarn strength members
Subunit jacket material	Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material
Subunit jacket nominal thickness	0.6 mm
Subunit Colour	Yellow with printed subunit number
Number of Ripcords	1
Outer jacket material	Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material

Breakout Tight Buffer Indoor Cable (2.8mm)

4F E9 SMF-28e+® TB3

CORNING

Cable design

Outer jacket colour	yellow
Outer Jacket Nominal Thickness	0.8 mm
Cable Marking	Meter Handset Sine CORNING Fibre Optic Cable Year J-V(ZN)HH 4 E9 TB3 2.8 LSZH™/FRNC

Mechanical Characteristics Cable

Nominal Outer Diameter	8.5 mm
Weight	62 kg/km
Min. Bend Radius Installation	150 mm
Min. Bend Radius Operation	130 mm
Max. Tensile Strength for Installation	1000 N
Crush Resistance (reversible)	1500 N/10 cm
Fire Load	1.14 MJ/m

Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
------	---

Fibre Specifications

Optical Characteristics (cabled)

Fibre Name	E9/125 SMF28e+
Fibre Core Diameter	9 µm
Fibre category	OS2
Fibre Code	U
Wavelengths	1310 nm / 1383 nm / 1550 nm
Linear Attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m
Cable cutoff wavelength	1260 nm

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/Pretium EDGE® systems solutions.
2) Improved attenuation and bandwidth options available
3) Bend-insensitive single-mode fibres available on request
4) Contact a Corning Customer Care Representative for additional information

Breakout Tight Buffer Indoor Cable (2.8mm)

4F E9 SMF-28e+® TB3

CORNING

Ordering Information

Part Number	004E6Z-32125E2G
Product Description	Breakout Tight Buffer Indoor Cable (2.8mm) 4F E9 SMF-28e+® TB3
EAN Code	4042673421245

Shipping Information

Maximum delivery length	2,000 m
-------------------------	---------



Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY

00 800 2676 4641 · FAX: +49 30 5303 2335 · www.corning.com/opcomm/emea

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2015 Corning Optical Communications. All rights reserved.