

# Single-Fibre Tight Buffer Indoor Cable 1F G62.5 MMF InfiniCor® OM1 2.8mm TB3

CORNING

**Part Number:**  
**001K3Z-32108E2G**

Corning indoor cables can be employed indoor for jumper cabling and for the cabling between floor distributors and terminal equipments/workstations (fiber to the desk), as well as for manufacturing of connector cables (patch cords):

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

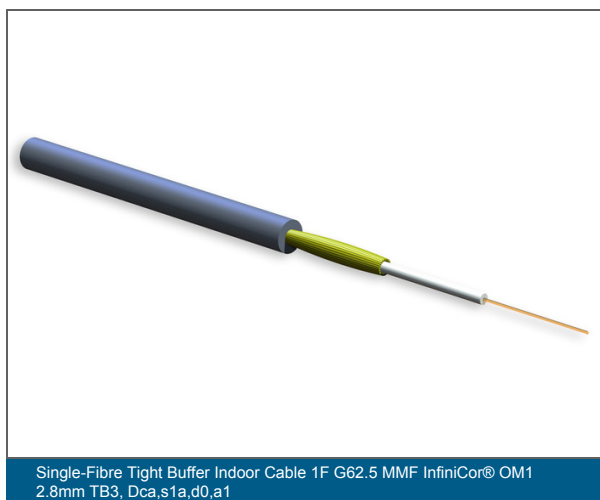
Requires no grounding or bonding

### Small diameter and bend radius

Easy installation in space-constrained areas

### TB3 tight-buffered construction

Easy and consistent stripping over 10 cm



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## Specifications

### General Specifications

|   |                   |
|---|-------------------|
| Environment   | Indoor            |
| Cable type  | Tight-buffered    |
| Product type  | Dielectric        |
| Fibre category  | 62.5 µm MM (OM1)  |
| Flame rating  | LSZH™/FRNC        |
| Coding according to EN 60794-1-1 (DIN VDE 0888-100-1) | J-V(ZN)H          |
| Application   | Indoor horizontal |

### Standards

|                               |  |
|-------------------------------|--|
| RoHS                          | Free of hazardous substances according to RoHS 2011/65/EU  |
| Approvals and Listings        | National Electrical Code® (NEC®) OFNR, FT-4  |
| Flame Test Method             | Flame retardant according to IEC 60332-1-2 (single cable), IEC 60332-3-24 (bunch of cables), Reaction to fire according to EN 50575 and EN 13501-6, Low smoke according to IEC 61034 and zero halogen to IEC 60754-1, Non-corrosive according to IEC 60754-2 |
| 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   |

### 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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## Cable Design

|  |   |
|--|---|
| Cable marking  | Metre - Handset - CE 17 EN 50575 Dca,s1a,d0,a1 - Sine - CORNING - Fiber Optic Cable - Year - J-V(ZN)H 1 OM1 TB3 2.8 LSZH(TM)/FRNC |
| Fibre count  | 1   |
| Outer jacket colour                                  | Orange  |
| Buffering diameter                                   | 900 µm  |
| Outer jacket material                                | Flame-retardant, non-corrosive/low-smoke, silicon-free, zero-halogen (FRNC/LSZH) material   |
| Outer jacket nominal thickness                       | 0.6 mm  |
| Tensile strength elements and/or armouring - Layer 1 | Aramid yarn   |
| Tight buffer colour                                  | White   |
| Tight buffer type                                    | TB3 (easy strip up to 10 cm)  |
| Flame rating   | LSZH™/FRNC  |

## Mechanical Specifications

|  |              |
|--|--------------|
| Crush resistance                       | 1000 N/10 cm |
| Fire load                              | 0.016 MJ/m   |
| Max. tensile strength for installation | 200 N        |
| Min. bend radius installation          | 45 mm        |
| Min. bend radius operation             | 30 mm        |
| Nominal outer diameter                 | 2.8 mm       |

## Optical Characteristics

|   |                           |
|---|---------------------------|
| Fibre code                              | K                         |
| Fibre name                              | G62.5L/125 InfiniCor® 300 |
| Fibre Type                              | Multimode                 |
| Fibre core diameter                     | 62.5 µm                   |
| Minimum effective modal bandwidth (EMB) | 220 MHz*km / -            |
| Maximum Attenuation                     | 2.8 dB/km / 1.0 dB/km     |

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## Optical Characteristics

|  |                         |
|--|-------------------------|
| Min. overfilled launch (OFL) bandwidth | 200 MHz*km / 600 MHz*km |
| Serial 1 gigabit ethernet              | 300 MHz*km / 550 MHz*km |
| Serial 10 gigabit ethernet             | 33 MHz*km / -           |
| Typical attenuation                    | 2.9 dB/km / 0.7 dB/km   |
| Wavelengths                            | 850 nm / 1300 nm        |
| Fibre category                         | OM1                     |

## Ordering Information

|                         |                 |
|-------------------------|-----------------|
| Product Number          | 001K3Z-32108E2G |
| EAN Code                | 4056418100647   |
| Maximum delivery length | 4000 m          |
| Weight                  | 8 kg/km         |



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