



**Product:** [GIBTI02](#)

Indoor tight buffered breakout cable LSZH jacket 2f SM OS2 G.657.B3. CPR Dca.

### Product Description

Indoor tight buffered breakout cable with Low Smoke Zero Halogen outer jacket. 2 fibers SM OS2 G.657.B3. CPR Euroclass Dca.

### Technical Specifications

#### Product Overview

Construction Type:	Breakout
Environmental Space:	Indoor - Euroclass Dca
Suitable Applications:	For indoor use in structured (premises) wiring systems: building backbone (riser) and/or horizontal cabling (Fibre To The Desk). Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. Easy to install in ducts and tunnels.

#### Construction

##### Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count
OS2	G.657B3	2

Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue
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##### Buffer Specification

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OS2	Tight	LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.9 mm

Cable Core Water Tight:	No
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Bulk Cable Weight:	25 kg/km
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#### SubUnit Specifications

Number of Active Subunits:	2
Number of Subunit Positions:	4
Fibers Per Subunit:	1
Subunit Diameter:	2.1 mm
Subunit Waterblocking:	Waterblocking Aramid Yarns

#### Jacket Specifications

Number of Jackets:	Single Jacket
Type of Armor:	Non-Armored

#### Outer Jacket Specifications

##### Outer Jacket

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.3 mm	Yes

Table Notes:	Standard color: Orange. Available colors: Orange, Yellow, Turquoise, Erika Violet, Red, Blue, Green, Brown, Violet, Pink, Grey, White, Black, Lime Green
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#### Optical Characteristics

Max. Attenuation at 1310 nm:	0.40 dB/km
Max. Attenuation at 1550 nm:	0.30 dB/km

Max. Attenuation at 1625 nm:	0.30 dB/km
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## Mechanical Characteristics

### Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	106 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	53 mm	IEC 60794-2-20
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	400 N (90 lbf)	
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	5 kN/m	IEC 60794-2-20
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	3 kN/m	IEC 60794-2-20

## Temperature Range

Operating Temperature Range:	-5 °C to +55 °C
Installation Temperature Range:	-5 °C to +50 °C
Storage Temperature Range:	-5 °C to +55 °C

## Standards

UL Rating/Flame Test:	Non-UL Rated
IEC Flammability:	IEC 60332-1-2
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-24
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	10 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 - Smoke Density Min. Transmittance:	60%
CPR Euroclass:	Dca-s1,d1,a1
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794, ISO/IEC 11801-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

## History

Update and Revision:	Revision Number: 0.87 Revision Date: 09-17-2024
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