



**Product:** [GIBT224](#)

Indoor tight buffered breakout cable LSZH jacket 24f MM OM2.

### Product Description

Indoor tight buffered breakout cable with Low Smoke Zero Halogen outer jacket. 24 fibers MM OM2.

### Technical Specifications

#### Product Overview

Construction Type:	Breakout
Environmental Space:	Indoor (Not Riser or Plenum)
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 Count
OM2	24

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue
Fiber Color Coding 2:	Europe coding (Gxxxxx.0): Green

##### Buffer Specification

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OM2	Tight	LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.9 mm

Cable Core Water Tight:	No
Bulk Cable Weight:	162 kg/km

#### SubUnit Specifications

Number of Active Subunits:	24
Number of Subunit Positions:	0
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)	14.3 mm	1

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

Fiber Core Diameter:	50 µm
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Max. Attenuation at 1300 nm:	0.9 dB/km
Max. Attenuation at 850 nm:	2.9 dB/km

## 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	286 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	143 mm	IEC 60794-2-20
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	1750 N (393 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 Temp Range:	-5 °C to +55 °C
Installation Temp Range:	-5 °C to +50 °C
Storage Temp 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%
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

### History

Update and Revision:	Revision Number: 0.113 Revision Date: 04-08-2022
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