



**Product:** [GUMT272](#) 

Universal tight buffered distribution cable LSZH jacket 72f MM OM2.

## Product Description

Universal (Indoor/Outdoor) tight buffered optical fiber distribution cable with Low Smoke Zero Halogen outer jacket. 72 fibers MM OM2.

## Technical Specifications

### Product Overview

Construction Type:	Distribution
Environmental Space:	Indoor/Outdoor
Suitable Applications:	For outdoor and indoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor and indoor use in networks for industrial, telecom, cable TV and/or broadcast. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. Not suitable for blown installation.

### Construction

#### Fiber Cable Construction

Fiber Type	Fiber Count
OM2	72

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
Fiber Color Coding 2:	Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White

#### Buffer Specification

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

Central Strength Member:	GRP
Cable Core Water Tight:	Yes
Bulk Cable Weight:	384 kg/km

### SubUnit Specifications

Number of Active Subunits:	6
Number of Subunit Positions:	6
Fibers Per Subunit:	12
Subunit Diameter:	6.1 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)	20.9 mm	0

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
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	418 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	209 mm	IEC 60794-2-20
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	1000 N (225 lbf)	IEC 60794-2-20
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:	-30 °C to +70 °C
Installation Temp Range:	-5 °C to +50 °C
Storage Temp Range:	-30 °C to +70 °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
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: 0.28 Revision Date: 04-08-2022
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