

Product: [GIMT112](#) 



Indoor tight buffered distribution cable LSZH jacket 12f MM OM1. CPR Dca.

Product Description

Indoor tight buffered optical fiber distribution cable with Low Smoke Zero Halogen outer jacket. 12 fibers MM OM1. CPR Euroclass Dca.

Technical Specifications

Product Overview

Construction Type:	Distribution
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. Not suitable for blown installation.

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM1	12

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

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OM1	Tight	LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.9 mm

Cable Core Water Tight:	No
Cable Core Waterblocking:	Waterblocking Aramid Yarns
Bulk Cable Weight:	46 kg/km

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)	7.0 mm	No

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 1300 nm:	0.9 dB/km
Max. Attenuation at 850 nm:	3.4 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	140 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	70 mm	IEC 60794-2-20

Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	800 N (180 lbf)	IEC 60794-2-20
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	270 N (61 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 +40 °C
Installation Temperature Range:	-5 °C to +40 °C
Storage Temperature Range:	-5 °C to +40 °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:	80%
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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
GIMT112.062100	Blue	Reel	2,100 m	8719605156822
GIMT112.002100	Orange	Reel	2,100 m	8719605074232

History

Update and Revision:	Revision Number: 0.164 Revision Date: 09-17-2024
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