Product: GIMT236

Indoor tight buffered distribution cable LSZH jacket 36f MM OM2.

Product Description

Indoor tight buffered optical fiber distribution cable with Low Smoke Zero Halogen outer jacket. 36 fibers MM OM2.

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
OM2	36

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

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:	No
Cable Core Waterblocking:	Waterblocking Aramid Yarns
Bulk Cable Weight:	249 kg/km

SubUnit Specifications

Number of Active Subunits:	3
Number of Subunit Positions:	4
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)	17.3 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

Optical Characteristics

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 Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2700 N (607 lbf)	IEC 60794-2-20
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	900 N (202 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
CPR Euroclass:	Dca-s1,d1,a1
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794-1-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

History

Update and Revision:	Revision Number: 0.76 Revision Date: 06-05-2024