



Product: [GIMS106](#)

Indoor Distribution 06 Fibers OM1

Product Description

Indoor Mini Breakout SemiTight Optical Cable 06 x 62.5/125-OM1 I-K(ZN)H

Technical Specifications

Construction Type:	Distribution
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Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
Suitable Applications:	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

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM1	6

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

Buffer Specification

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OM1	Semi-Tight	LSZH - Low Smoke Zero Halogen	0.9 mm

Cable Core Water Tight:	Yes
Cable Core Water Blocking:	Waterblocking Aramid Yarns
Bulk Cable Weight:	26 kg/km

Jacket Specifications

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

Outer Jacket

Outer Jacket Material

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.3 mm	0

Optical Characteristics

Fiber Core Diameter:	62.5 μ m
Max Attenuation at 1300 nm:	1.2 dB/km
Max Attenuation at 850 nm:	3.4 dB/km

Mechanical Characteristics

Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
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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 Operation (Long Term)	IEC 60794-1-21-E1	400 N (90 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:	-5 °C to +55 °C
Installation Temp Range:	-30 °C to +70 °C
Storage Temp Range:	-30 °C to +70 °C

Standards

UL Rating/Flame Test:	Non-UL Rated
IEC Flammability:	IEC 60332-1-2
REACH:	Compliant
IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

History

Variants

Item #	Color	Length
GIMS106.002100	Orange	2,100 m

Update and Revision:	Revision Number: 0.72 Revision Date: 07-03-2020
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