



**Product:** [GIPS1F1](#)

Indoor Simplex 01 Fibers OM1

### Product Description

Indoor Simplex SemiTight 3.0mm Optical Cable 01 x 62.5/125-OM1 I-K(ZN)H

### Technical Specifications

Construction Type:	Interconnect
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### Product Overview

Environmental Space:	Indoor - Euroclass Eca
Suitable Applications:	Flexible terminating leads such as pigtails, patchcords and test leads. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. Short distance applications for indoor use.

### Construction

#### Fiber Cable Construction

Fiber Type	Fiber Count
OM1	1

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

#### 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
Bulk Cable Weight:	9.1 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)	3 mm	0

### Optical Characteristics

Fiber Core Diameter:	62.5 $\mu$ 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
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	60 mm	IEC 60794-2-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	75 N (17 lbf)	IEC 60794-2-10

Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	75 N (17 lbf)	IEC 60794-2-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	5 kN/m	IEC 60794-2-10

## 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
CPR Euroclass:	Eca
REACH:	Compliant
IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

## History

### Variants

Item #	Color	Length
GIPS1F1.002100	Orange	2,100 m
GIPS1F1.012100	Red	2,100 m

Update and Revision: Revision Number: 0.70 Revision Date: 09-25-2020

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