



Part Number: GUSL104

Indoor/Outdoor Central Loose Tube 04 Fibers OM1

Product Description

Universal (Indoor/Outdoor) Rodent Protection Central Loose Tube Optical Cable 04 x 62.5/125-OM1 A/I-DQ(ZN)BH

Technical Specifications

Construction Type:	Central Loose Tube
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Product Overview

Environmental Space:	Indoor/Outdoor - Euroclass Dca
Suitable Applications:	For outdoor and indoor use in structured (data) wiring systems such as campus backbone, building backbone (riser) and/or horizontal cabling. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. Easy to install in ducts, tunnels and trenches. Suitable for direct burial.

Construction

Fiber Cable Construction

Fiber Type	Fiber Count	Subunit Color	Subunit Color 2
OM1	4	TIA coding (Gxxxxxx.T): Natural	Europe coding (Gxxxxxx.0): Natural

Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown
Fiber Color Coding 2:	Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue
Cable Core Water Tight:	Yes
Cable Core Water Blocking:	Waterblocking Glass Yarns
Bulk Cable Weight:	48 kg/km

SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	1
SubUnit Diameter:	3.3 mm
SubUnit Waterblocking:	Gel Filled

Jacket Specifications

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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen	6.5 mm	1.15 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
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	130 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	65 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	1250 N (281 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	420 N (94 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	15 kN/m	IEC 60794-3-10
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 kN/m	IEC 60794-3-10

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
ISO/IEC Flammability:	IEC 60332-1-2
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-25
CPR Euroclass:	Dca-s2,d1,a1
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

History

Variants

Item #	Color	Length
GUSL104.002100	Orange	2,100 m

Update and Revision:	Revision Number: 0.87 Revision Date: 10-09-2019
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