



Product: [GUSNA04](#) 

Indoor/Outdoor Central Loose Tube 04 Fibers G657A1-OS2

Product Description

Universal (Indoor/Outdoor) Rodent Protection Central Loose Tube Optical Cable 04 x 9/125-G657A1-OS2 A/I-DQ(ZN)BH

Technical Specifications

Product Overview

Construction Type:	Central Loose Tube
Environmental Space:	Indoor/Outdoor - Euroclass Dca
Suitable Applications:	For outdoor and indoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor and indoor use in networks for industrial, telecom, cable TV and/or broadcast. Easy to install in ducts, tunnels and/or tubes.

Construction

Fiber Cable Construction

Fiber Grade acc. ITU-T	Fiber Count	Subunit Color
G657A1	4	TIA coding (Gxxxxx.T): Natural
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown	
Cable Core Water Tight:	Yes	
Cable Core Waterblocking:	Waterblocking Glass Yarns	
Bulk Cable Weight:	37 kg/km	

SubUnit Specifications

Subunit Diameter:	0.130 in (3.3 mm)
Subunit Waterblocking:	Gel Filled

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)	5.8 mm	No

Optical Characteristics

Fiber Core Diameter:	9 μ m
Max. Attenuation at 1310 nm:	0.40 dB/km
Max. Attenuation at 1550 nm:	0.24 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	116 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	58 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	
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 kN/m	IEC 60794-3-10

Temperature Range

Operating Temperature Range:	-30 °C to +70 °C
Installation Temperature Range:	-5 °C to +50 °C
Storage Temperature Range:	-30 °C to +70 °C

Standards

UL Rating/Flame Test:	Non-UL Rated
IEC Flammability:	IEC 60332-1-2
CPR Euroclass:	Dca-s2,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
GUSNA04.022100	Black	Reel	2,100 m	8719605144225
GUSNA04.012100	Orange	Reel	2,100 m	

History

Update and Revision:	Revision Number: 0.57 Revision Date: 09-17-2024
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