



Part Number: GUSN812

Indoor/Outdoor Central Loose Tube 12 Fibers G652D/G657A1-OS2

Product Description

Universal (Indoor/Outdoor) Rodent Protection Central Loose Tube Optical Cable 12 x 9/125-G652D/G657A1-OS2 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 Grade acc. ITU-T	Fiber Count	Subunit Color	Subunit Color 2
OS2	G652D & G657A1	12	TIA coding (Gxxxxxx.T): Natural	Europe coding (Gxxxxxx.0): Natural
Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua			
Fiber Color Coding 2:	Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White			
Cable Core Water Blocking:	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 Material

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen	5.8 mm	0

Optical Characteristics

Fiber Core Diameter:	9 µm
Max Attenuation at 1310 nm:	0.39 dB/km
Max Attenuation at 1550 nm:	0.24 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	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 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
CPR Euroclass:	Dca-s2,d1,a1
REACH:	Compliant
ISO/IEC Compliance:	IEC 60812
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

History

Variants

Item #	Color	Length
GUSN812.022100	Black	2,100 m
GUSN812.023100	Black	3,100 m
GUSN812.T02100	Black	2,100 m
GUSN812.T32100	Black	2,100 m
GUSN812.002100	Orange	2,100 m
GUSN812.004100	Orange	4,100 m
GUSN812.006100	Orange	6,100 m
GUSN812.012100	Yellow	2,100 m
GUSN812.014100	Yellow	4,100 m
GUSN812.016100	Yellow	6,100 m
GUSN812.K14100	Yellow	4,100 m
GUSN812.T42100	Yellow	2,100 m

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