



Part Number: GUMTA08

Indoor/Outdoor Distribution 08 Fibers G657A1-OS2

Product Description

Universal (Indoor/Outdoor) Mini Breakout Tight Optical Cable 08 x 9/125-G657A1-OS2 A/I-VQ(ZN)H

Technical Specifications

Construction Type:	Distribution
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Product Overview

Environmental Space:	Indoor/Outdoor - Euroclass Dca
Suitable Applications:	Structured (premises) wiring systems: campus and/or 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. Not recommended for direct burial.

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count
OS2	G657A1	8

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

Buffer Specification

Buffer Construction	Buffer Material	Buffer Diameter
Tight	LSZH - Low Smoke Zero Halogen	0.9 mm

Cable Core Water Tight:	Yes
Cable Core Water Blocking:	Waterblocking Glass Yarns
Bulk Cable Weight:	33 kg/km

Jacket Specifications

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

Outer Jacket Material

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen	5.9 mm	0

Optical Characteristics

Fiber Core Diameter:	9 μ m
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	118 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	59 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	
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	3 kN/m	IEC 60794-2-20

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
CPR Euroclass:	Dca-s1,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
GUMTA08.002100	Orange	2,100 m
GUMTA08.012100	Yellow	2,100 m

Update and Revision:	Revision Number: 0.66 Revision Date: 07-25-2019
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