



**Part Number: GUMTA16**

**Indoor/Outdoor Distribution 16 Fibers G657A1-OS2**

**Product Description**

Universal (Indoor/Outdoor) Mini Breakout Tight Optical Cable 16 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	16

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua. With Ringmark: BL, OR, GR, BR
Fiber Color Coding 2:	Europe coding (Gxxxxx.O): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White. With Ringmark: RD, NA, YL, BL

**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:	64 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	8.6 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	172 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	86 mm	IEC 60794-2-20

Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	530 N (119 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
GUMTA16.002100	Orange	2,100 m

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