



**Part Number:** GURA804

Indoor/Outdoor Central Loose Tube 04 Fibers G652D/G657A1-OS2

**Product Description**

Universal (Indoor/Outdoor) extra-Rodent Protection Central Loose Tube Optical Cable 04 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, trenches. Suitable for direct burial.

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count
OS2	G652D & G657A1	4

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
Fiber Color Coding 2:	Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White
Cable Core Water Tight:	Yes
Cable Core Water Blocking:	Waterblocking Glass Yarns
Bulk Cable Weight:	56 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	7.1 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	142 mm	IEC 60794-3-10

Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	71 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2500 N (562 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	830 N (187 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
ISO/IEC Flammability:	IEC 60332-1-2
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
GURA804.002100	Orange	2,100 m
GURA804.004100	Orange	4,100 m
GURA804.K02100	Orange	2,100 m

Update and Revision:	Revision Number: 0.30 Revision Date: 07-25-2019
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