



**Part Number:** GUCB808

Indoor/Outdoor Central Loose Tube Corrugated Steel Tape armour 08 Fibers  
G652D/G657A1-OS2

### Product Description

Universal (Indoor/Outdoor) Corrugated Steel Tape Armour Central Loose Tube Optical Cable 08 x 9/125-G652D/G657A1-OS2 A/I-DQ(ZN)(SR)H

### Technical Specifications

Construction Type:	Central Loose Tube
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### Product Overview

Environmental Space:	Indoor/Outdoor - Euroclass Cca
Suitable Applications:	For outdoor and indoor use in structured (data) wiring systems such as campus backbone. For outdoor and indoor use in networks for Telecom, Cable TV and/ or Broadcast. Easy to install in ducts, tunnels and trenches. Suitable for direct burial (crush $\leq$ 400 N/cm)

### Construction

#### Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count
OS2	G652D & G657A1	8

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black
Fiber Color Coding 2:	Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black
Cable Core Water Tight:	Yes
Cable Core Water Blocking:	Waterblocking Glass Yarns + Tape
Bulk Cable Weight:	135 kg/km

### SubUnit Specifications

SubUnit Diameter:	0.165 in (4.2 mm)
SubUnit Waterblocking:	Gel Filled

### Jacket Specifications

Number of Jackets:	Single Jacket
Type of Armor:	Corrugated Steel Tape

#### Outer Jacket Material

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen	10.6 mm	1

### Optical Characteristics

Fiber Core Diameter:	9 $\mu$ 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	212 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	212 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	3990 N (897 lbf)	IEC 60794-3-10

Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	1330 N (299 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	22 kN/m	
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	11 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
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-22
Resistance to Fire - Circuit Integrity:	IEC 60331-25
CPR Euroclass:	Cca-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
GUCB808.002100	Black	2,100 m

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

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