



**Product:** [GUCN108](#) 

## Indoor/Outdoor Central Loose Tube Corrugated Steel Tape armour 08 Fibers OM1

### Product Description

Universal (Indoor/Outdoor) Corrugated Steel Tape Armour Rodent Protection Central Loose Tube Optical Cable 08 x 62.5/125-OM1 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 industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor and indoor use in networks for industrial, telecom, cable TV and/or broadcast. Easy to install in ducts, tunnels and trenches and/or tubes. Suitable for Direct Burial.

### Construction

#### Fiber Cable Construction

Fiber Type	Fiber Count	Subunit Color	Subunit Color 2
OM1	8	TIA coding (Gxxxxx.T): Natural	Europe coding (Gxxxxx.0): Natural
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:	104 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:	Corrugated Steel Tape

#### Outer Jacket

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	9.0 mm	1.55 mm	1

#### Optical Characteristics

Fiber Core Diameter:	62.5 µm
Max Attenuation at 1300 nm:	1.2 dB/km
Max Attenuation at 850 nm:	3.4 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	180 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	180 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2220 N (499 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	740 N (166 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 +55 °C
Installation Temp Range:	-5 °C to +50 °C
Storage Temp Range:	-30 °C to +55 °C

## Standards

UL Rating/Flame Test:	Non-UL Rated
IEC Flammability:	IEC 60332-1-2
Resistance to Fire - Circuit Integrity:	IEC 60331-25-E120 / EN 50200-PH120
CPR Euroclass:	Cca-s1a,d1,a1
REACH:	Compliant
IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

## History

### Variants

Item #	Color	Length
GUCN108.002100	Black	2,100 m

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