



**Product:** [GOCN208](#)

## Outdoor Central Loose Tube Corrugated Steel Tape armour 08 Fibers OM2

### Product Description

Outdoor Corrugated Steel Tape Armour Rodent Protection Central Loose Tube Optical Cable 08 x 50/125-OM2-BI A-DQ(ZN)(SR)2Y

### Technical Specifications

Construction Type:	Central Loose Tube
--------------------	--------------------

### Product Overview

Environmental Space:	Outdoor
Suitable Applications:	For outdoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor 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
OM2	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:	81 kg/km		

### SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	1
SubUnit Diameter:	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	Color	Nominal Diameter	Nominal Wall Thickness	Ripcord
PE - Polyethylene	Black	9.0 mm	1.55 mm	1

### Optical Characteristics

Fiber Core Diameter:	50 µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	2.9 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	IEC 60794-3-10
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
REACH:	Compliant
IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

### History

#### Variants

Item #	Color	Length
GOCN208.002100	Black	2,100 m
GOCN208.004100	Black	4,100 m

Update and Revision: Revision Number: 0.97 Revision Date: 09-25-2020

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.