



**Part Number:** GCCG116

Indoor/Outdoor Loose Tube Corrugated Steel Tape armour 16 Fibers OM1

### Product Description

Universal (Indoor/Outdoor) Dry Core Corrugated Steel Tape Armour Multi Loose Tube Optical Cable 16 x 9/125-OM1 A/I-DQ(ZN)(SR)H

### Technical Specifications

#### Product Overview

Construction Type:	Multi Loose Tube
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 and/or tubes by means of compressed air or pulling wire.

#### Construction

##### Fiber Cable Construction

Fiber Type	Fiber Count	Subunit Color	Subunit Color 2
OM1	16	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown	Europe coding (Gxxxxxx.0): Red, Green, Rest White

Fiber Type:	OM1
Fiber Count:	16
Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown
Fiber Color Coding 2:	Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue

##### Buffer Specification

Fiber Type	OM1
Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Glass Yarns + Tape
Bulk Cable Weight:	156 kg/km

#### SubUnit Specifications

Number of Active Subunits:	4
Number of Subunit Positions:	6
Fibers Per Subunit:	4
SubUnit Diameter:	0.075 in (1.9 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	11.1 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

Min Bend Radius During Installation:	222 mm
Min Bend Radius During Operation:	222 mm
Max Tensile Strength During Installation:	3480 N (782 lbf)
Max Tensile Strength During Operation:	1160 N (261 lbf)

## 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

## Tensile Strength

Max Tensile Strength During Inst - Test Standard:	IEC 60794-1-21-E1
Max Tensile Strength During Operation - Test Standard:	IEC 60794-1-21-E1

## Standards

UL Rating/Flame Test:	Non-UL Rated
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

© 2019 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.