



Part Number: GUCBD04

Indoor/Outdoor Central Loose Tube Corrugated Steel Tape armour 04 Fibers OM3

Product Description

Universal (Indoor/Outdoor) Corrugated Steel Tape Armour Central Loose Tube Optical Cable 04 x 50/125-OM3-BI A/I-DQ(ZN)(SR)H

Technical Specifications

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

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 Count	Subunit Color	Subunit Color 2
OM3	4	TIA coding (Gxxxxxx.T): Natural	Europe coding (Gxxxxxx.0): Natural
Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua		
Fiber Color Coding 2:	Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White		
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	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen	10.6 mm	1.5 mm	1

Optical Characteristics

Fiber Core Diameter:	50 μ m
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	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
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
GUCBD04.002100	Black	2,100 m

Update and Revision:	Revision Number: 0.77 Revision Date: 05-08-2019
----------------------	---

© 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.