



Product: [GNMTF12](#)

Outdoor Tactical (loose jacket, ARAMID) tight buffered distribution cable PUR jacket 12f SM OS2 G.657.A2.

Product Description

Outdoor Tactical (loose jacket, aramid yarns) tight buffered optical fiber distribution cable with Polyurethane (PUR) outer jacket. 12 fibers SM OS2 G.657.A2.

Technical Specifications

Product Overview

Construction Type:	Tactical
Environmental Space:	Indoor/Outdoor
Suitable Applications:	For outdoor and indoor use. These metal-free mobile cables have been designed for de-spooling and re-spooling repeatedly. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM Easy to install. Not Recommended for direct burial.

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count
OS2	G.657A2	12

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
---------------------	--

Buffer Specification

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OS2	Tight	Nylon	0.9 mm

Cable Core Water Tight:	Yes
Cable Core Waterblocking:	Waterblocking Aramid Yarns
Bulk Cable Weight:	45 kg/km

Jacket Specifications

Number of Jackets:	Single Jacket
Type of Armor:	Non-Armored

Outer Jacket Specifications

Outer Jacket

Material	Color	Nominal Diameter	Ripcord
PUR - Polyurethane	Black	7.3 mm	Yes

Optical Characteristics

Max. Attenuation at 1310 nm:	0.40 dB/km
Max. Attenuation at 1550 nm:	0.30 dB/km
Max. Attenuation at 1625 nm:	0.30 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	58.4 mm	
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	29.2 mm	
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	450 N (101 lbf)	
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	5 kN/m	IEC 60794-2-20
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	3 kN/m	IEC 60794-2-20

Temperature Range

Operating Temperature Range:	-55 °C to +85 °C
Installation Temperature Range:	-5 °C to +50 °C
Storage Temperature Range:	-70 °C to +85 °C

Standards

UL Rating/Flame Test:	Non-UL Rated
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
GNMTF12.002100	Black	Reel	2,100 m	8719605128157
GNMTF12.003100	Black	Reel	3,100 m	8719605128164
GNMTF12.004100	Black	Reel	4,100 m	8719605142795

History

Update and Revision:	Revision Number: 0.95 Revision Date: 12-14-2023
----------------------	---

© 2024 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.