



Product: [TE-SLD-048-RX2N](#) 

Mining Grade Indoor/Outdoor Multi-Loose-Tube OS2 48 Fibers Dry Tubes 2.5mm Rodent Resistant Double Jacket CPE/PVC OFNR-ST1 Oil Res.1&2 MSHA

Product Description

Mining Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 48 Fibers, Dry Tubes 2.5mm, Rodent Resistant, Double Jacket, Black, CPE/PVC, OFNR-ST1, Oil Res 1 & 2, MSHA Approved

Technical Specifications

Product Overview

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Mining, Harsh Environment, IoT, Factory or Process Automation, IP Cameras And Devices, Data Communication

Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
Fiber Diameter:	250 µm
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	4
Number of Fillers:	1
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Free
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP

Inner Jacket Specifications

Inner Jacket Strength Member:	Fiberglass Yarns
Material:	CPE - Chlorinated Polyethylene
Nominal Diameter@InnerJacket1 (cnv):	0.371 in (9.4 mm)
Color:	Black
Number of Inner Jacket Ripcords:	1

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	CPE - Chlorinated Polyethylene
Nom. Diameter:	0.521 in (13.2 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.35 dB/km	0.25 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m
40 Gigabit Ethernet Performance	10,000 m	--

Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	4448 N (1000lbf)
Max. Tensile Strength During Operation:	1320 N (300lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	102 lbs/kft (152 kg/km)

Temperature Range

Installation Temperature Range:	-30°C to +60°C
Operating Temperature Range:	-50°C to +85°C
Storage Temperature Range:	-50°C to +85°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1666, UL 1685
NEC / UL Compliance:	OFNR-ST1
CEC / C(UL) Compliance:	OFNG-ST1
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	568.3, 598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

Product Notes

Notes:	Ozone Resistance, PMSHA - 07-KA250002-MSHA
--------	--

History

Update and Revision:	Revision Number: 0.4 Revision Date: 05-28-2026
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type
TE-SLD-048-RX2N	Black	Reel

© 2026 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.