



Product: [TE-SLD-024-RX2N](#) 

Mining Grade Indoor/Outdoor Multi-Loose-Tube OS2 24 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, 24 Fibers, Dry Tubes 2.5mm, Rodent Resistant, Double Jacket, Black, CPE/PVC, OFNR-ST1, Oil Res 1 & 2, MSHA Approved

Technical Specifications

Product Overview

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|------------------------|---|
| 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

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|---------------------|------------------------|
| Fiber Type: | OS2, G.657.A1, G.652.D |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 24 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|-------------------------------|-------------------|
| Number of Active Subunits: | 2 |
| Number of Fillers: | 3 |
| 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

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|--------------------------------------|--------------------------------|
| 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

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|-----------------------|--------------------------------|
| 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

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| 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

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|---------------------------------|----------------|
| 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

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

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| Update and Revision: | Revision Number: 0.4 Revision Date: 05-28-2026 |
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Part Numbers

Variants

| Item # | Color | Putup Type |
|-----------------|-------|------------|
| TE-SLD-024-RX2N | Black | Reel |

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