



Product: [TR-SCN-012-NRU](#)

OSP, Outdoor, CLT, OS2, 12f, Dry Tube 2.8mm, RP Sgl Jkt, Blk, UV

Product Description

OSP Grade, Outdoor, Central Loose-Tube, OS2, 12 Fibers, Dry Tube 2.8mm, Rodent Protected, Single Jacket, Black, UV Resistant

Technical Specifications

Product Overview

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|------------------------|---|
| Product Category: | Fiber Central Loose Tube Cable |
| Suitable Applications: | Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, OSP, Outdoor & Wet Locations, Rodent Proof, UV Resistant |

Fiber Specifications

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| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 μm |
| Fiber Diameter: | 250 μm |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|-------------------|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 0 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Free |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Subunit Color: | Blue |

Outer Jacket Specifications

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|---------------------|-------------------|
| Strength Member: | Fiberglass Yarns |
| Jacket Material: | PE - Polyethylene |
| Nom. Diameter: | 0.275 in (7.0 mm) |
| Number of Ripcords: | 1 |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---------------------------------|-------------------|--------------------|
| Max. Attenuation | 0.35 | 0.25 |
| Mode Field Diameter | 9.2 μm | 10.4 μm |
| 1 Gigabit Ethernet Performance | 5000 m | |
| 10 Gigabit Ethernet Performance | 10000 m | 40000 m |

Mechanical Characteristics

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| Min. Bend Radius During Installation: | 15x Cable OD |
| Min. Bend Radius During Operation: | 10x Cable OD |
| Max. Tensile Strength During Installation: | 2670 N (600 lbf) |
| Max. Tensile Strength During Operation: | 800 N (180 lbf) |
| Crush Resistance: | 220 N/cm |
| Bulk Cable Weight: | 26 lbs/kft (38 kg/km) |

Temperature Range

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|---------------------------------|----------------|
| Installation Temperature Range: | -30°C to +60°C |
| Operating Temperature Range: | -40°C to +70°C |
| Storage Temperature Range: | -40°C to +70°C |

Standards and Compliance

| | |
|----------------------------|--------------------------------------|
| Environmental Suitability: | Outdoor, Sunlight Resistance, Burial |
|----------------------------|--------------------------------------|

Product Notes

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| Notes: | GR - 20 |
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History

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| Update and Revision: | Revision Number: 0.9 Revision Date: 11-14-2022 |
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Part Numbers

Variants

| Item # |
|-----------------|
| TR-SCN-012-NRUN |

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