

# Product: TR-SCN-024-NSU

OSP, Outdoor, CLT, OS2, 24f, Dry Tubes 3.3mm, CST, Sgl Jkt, Blk, UV

## Product Description

OSP Grade, Outdoor, Central Loose-Tube, OS2, 24 Fibers, Dry Tube 3.3mm, Corrugated Steel Tape, 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: | 24 |
| Subunit Waterblocking: | Gel Free |
| Subunit Diameter: | 0.130 in (3.3 mm) |
| Subunit Color: | Blue |

### Armor Specifications

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|---|---|
| Armor Type and Material: | CST - Corrugated Steel Tape |

### Outer Jacket Specifications

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|---|---|
| Strength Member: | Fiberglass Yarns |
| Jacket Material: | PE - Polyethylene |
| Nom. Diameter: | 0.450 in (11.4 mm) |
| Number of Ripcords: | 2 |

**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: | 20x 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) |

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|---|---|
| Crush Resistance: | 220 N/cm |
| Bulk Cable Weight: | 42 lbs/kft (62 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

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

## Product Notes

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|---|---|
| Notes: | GR - 20 |

## History

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

## Part Numbers

**Variants**

| Item # |
|---|
| TR-SCN-024-NSUN |

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