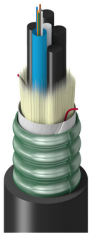




**Product:** [TR-SLC-006-NSU](#)

OSP, Outdoor, MLT, OS2, 6f, Dry Tubes 2.5mm, CST, Sgl Jkt, Blk, UV



### Product Description

OSP Grade, Outdoor, Multi-Loose-Tube, OS2, 6 Fibers, Dry Tubes 2.5mm, Corrugated Steel Tape, Single Jacket, Black, UV Resistant

### Technical Specifications

#### Product Overview

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

#### Fiber Specifications

|                      |                       |
|----------------------|-----------------------|
| Fiber Type:          | OS2                   |
| Fiber Core Diameter: | 8.2/125 $\mu\text{m}$ |
| Fiber Diameter:      | 250 $\mu\text{m}$     |
| Fiber Color Coding:  | TIA-598-D             |

#### Cable Construction

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 1                 |
| Number of Fillers:         | 4                 |
| Fibers Per Subunit:        | 6                 |
| Subunit Waterblocking:     | Gel Free          |
| Subunit Diameter:          | 0.098 in (2.5 mm) |
| Subunit Color:             | TIA-598-D         |
| Central Strength Member:   | GRP               |

#### Armor Specifications

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

#### Outer Jacket Specifications

|                     |                    |
|---------------------|--------------------|
| Strength Member:    | Fiberglass Yarns   |
| Jacket Material:    | PE - Polyethylene  |
| Nom. Diameter:      | 0.570 in (14.5 mm) |
| Number of Ripcords: | 2                  |

#### Optical Characteristics

| Wavelength                      | 1310 nm           | 1550 nm            |
|---------------------------------|-------------------|--------------------|
| Max. Attenuation                | 0.35              | 0.25               |
| Mode Field Diameter             | 9.2 $\mu\text{m}$ | 10.4 $\mu\text{m}$ |
| 1 Gigabit Ethernet Performance  | 5000 m            |                    |
| 10 Gigabit Ethernet Performance | 10000 m           | 40000 m            |

#### Mechanical Characteristics

|  |                  |
|--|------------------|
| 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)         |
| Crush Resistance:                       | 220 N/cm                |
| Bulk Cable Weight:                      | 106 lbs/kft (157 kg/km) |

### Temperature Range

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

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

### History

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

### Part Numbers

#### Variants

| Item #          |
|-----------------|
| TR-SLC-006-NSUN |

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