



Product: [TF-SC0-024-RI5](#)

Factory, In+Outdoor, CLT, OS2, 24f, Gel Tube 3.8mm, AIA, Dbl Jkt - PVC, OFCR, Ozone-UV-Oil Res

Product Description

Factory Grade, Indoor/Outdoor, Central Loose-Tube, OS2, 24 Fibers, Gel Filled Tube 3.8mm, Aluminum Interlock Armor, Double Jacket - PVC, OFCR, Ozone-UV-Oil 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, Indoor/Outdoor & Wet Locations, Rodent Proof |

Fiber Specifications

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|----------------------|-------------------|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2 μm |
| Fiber Diameter: | 250 μm |
| Fiber Count: | 24 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|------------|
| Number of Active Subunits: | 1 |
| Fibers Per Subunit: | 24 |
| Subunit Waterblocking: | Gel Filled |

Inner Jacket Specifications

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|------------------|--------------------------------|
| Strength Member: | Waterblocking Fiberglass Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.315 in (8.0 mm) |
| Color: | Black |

Armor Specifications

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|--------------------------|--------------------------------|
| Armor Type and Material: | AIA - Aluminum Interlock Armor |
|--------------------------|--------------------------------|

Outer Jacket Specifications

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|------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.615 in (15.6 mm) |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---------------------------------|-------------------|--------------------|
| Max. Attenuation | 0.40 dB/km | 0.30 dB/km |
| Mode Field Diameter | 9.2 μm | 10.4 μm |
| 1 Gigabit Ethernet Performance | 5,000 m | -- |
| 10 Gigabit Ethernet Performance | 10,000 m | 40,000 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) |
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 152 lbs/kft (226 kg/km) |

Temperature Range

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|---------------------------------|----------------|
| Installation Temperature Range: | -10°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: | Indoor/Outdoor, Sunlight Resistance, Oil Resistance |
| Flammability / Reaction to Fire: | OFCR, FT4 |
| ICEA Compliance: | S-104-696 |

Product Notes

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|--------|----------------------------------|
| Notes: | Ozone, Hydraulic fluid resistant |
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History

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|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.20 Revision Date: 11-14-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item # | Color | Putup Type |
|-----------------|-------|------------|
| TF-SC0-024-RI5N | Black | Reel |

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