



Product: [TF-1D9-006-RI5](#)

Factory, In+Outdoor, DN, OM1, 6f, Non-Unit, AIA, Dbl Jkt - PVC, OFCR, Ozone-UV-Oil Res

Product Description

Factory Grade, Indoor/Outdoor, Distribution, OM1, 6 Fibers, Non-Unit 900um, Aluminum Interlock Armor, Double Jacket - PVC, OFCR, Ozone-UV-Oil Resistant

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Product Category: | Fiber Distribution 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: | OM1 |
| Fiber Core Diameter: | 62.5 µm |
| Fiber Diameter: | 250 µm |
| Buffer Material: | PVC - Polyvinyl Chloride |
| Buffer Diameter: | 900 µm |
| Fiber Count: | 6 |
| Fiber Color Coding: | TIA-598-D |

Inner Jacket Specifications

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|------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 1.086 in (27.6 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: | 0.504 in (12.8 mm) |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|--|------------|------------|
| Max. Attenuation | 3.25 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 300 m | 550 m |
| 10 Gigabit Ethernet Performance | 33 m | -- |
| Min. Restricted Mode Launch | 220 MHz.km | -- |
| Min. Overfilled Launch (OFL) Bandwidth | 200 MHz.km | 500 MHz.km |

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: | 1335 N (300 lbf) |
| Max. Tensile Strength During Operation: | 400 N (90 lbf) |

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|--------------------|-------------------------|
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 134 lbs/kft (199 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: 0.24 Revision Date: 11-14-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type |
|-----------------|-------|------------|
| TF-1D9-006-RI5N | Black | Reel |

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