



Product: [TU-SD9-006-RI2](#) 

Tray, In+Outdoor, DN, OS2, 6f, Non-Unit, AIA, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

Product Description

Tray Grade, Indoor/Outdoor, Distribution, OS2, 6 Fibers, Non-Unit 900um, Aluminum Interlock Armor, Double Jacket, Black, CPE, OFCR, Oil Res 1 & 2

Technical Specifications

Product Overview

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|------------------------|---|
| Product Category: | Fiber Distribution Cable |
| Suitable Applications: | Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Oil Res 1 /2, Rodent Proof |

Fiber Specifications

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|----------------------|--------------------------|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 µm |
| Fiber Diameter: | 250 µm |
| Buffer Material: | PVC - Polyvinyl Chloride |
| Fiber Count: | 6 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|---|
| Number of Active Subunits: | 1 |
| Fibers Per Subunit: | 6 |

Inner Jacket Specifications

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|---------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.220 in (5.6 mm) |
| Color: | Black |
| Number of Ripcords: | 1 |

Armor Specifications

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

Outer Jacket Specifications

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|----------------|--------------------------------|
| Material: | CPE - Chlorinated Polyethylene |
| Nom. Diameter: | 0.540 in (13.7 mm) |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---------------------------------|------------|------------|
| Max. Attenuation | 0.50 dB/km | 0.50 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 |
|---------------------------------------|--------------|

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|--|-------------------------|
| Min. Bend Radius During Operation: | 10x Cable OD |
| Max. Tensile Strength During Installation: | 660 N (150 lbf) |
| Max. Tensile Strength During Operation: | 200 N (45 lbf) |
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 119 lbs/kft (177 kg/km) |

Temperature Range

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|--------------------------|----------------|
| Installation Temp Range: | -10°C to +60°C |
| Operating Temp Range: | -50°C to +70°C |
| Storage Temp Range: | -50°C to +70°C |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance, Oil Resistance, Burial |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | OFCR, FT4 |
| ICEA Compliance: | S-104-696 |

History

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| Update and Revision: | Revision Number: 0.10 Revision Date: 04-08-2022 |
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