



Product: [TU-3D9-006-RN2](#)

Tray, In+Outdoor, DN, OM3, 6f, Non-Unit, Sgl Jkt, Blk, CPE, OFNR, Oil Res 1/2

Product Description

Tray Grade, Indoor/Outdoor, Distribution, OM3, 6 Fibers, Non-Unit 900um, Single Jacket, Black, CPE, OFNR, Oil Res 1 & 2

Technical Specifications

Product Overview

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

Fiber Specifications

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|----------------------|--------------------------|
| Fiber Type: | OM3 |
| Fiber Core Diameter: | 50/125 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 |

Outer Jacket Specifications

| | |
|---------------------|--------------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | CPE - Chlorinated Polyethylene |
| Nom. Diameter: | 0.220 in (5.6 mm) |
| Number of Ripcords: | 1 |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|----------------------------------------|-------------|------------|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1000 | 550 |
| 10 Gigabit Ethernet Performance | 300 m | - |
| Min. Effective Modal Bandwidth (EMB) | 2000 MHz.km | - |
| Min. Overfilled Launch (OFL) Bandwidth | 700 MHz.km | 500 MHz.km |

Mechanical Characteristics

| | |
|--------------------------------------------|-----------------------|
| Min. Bend Radius During Installation: | 15x Cable OD |
| 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: | 220 N/cm |
| Bulk Cable Weight: | 20 lbs/kft (30 kg/km) |

Temperature Range

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

Standards and Compliance

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

History

| | |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.14 Revision Date: 11-14-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|-----------------|-------|---------------|--------------|
| TU-3D9-006-RN2N | Black | Cut to Length | 612825485247 |

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