



**Product:** [TU-1D9-006-RN2](#)

Tray, In+Outdoor, DN, OM1, 6f, Non-Unit, Sgl Jkt, Blk, CPE, OFNR, Oil Res 1/2

**Product Description**

Tray Grade, Indoor/Outdoor, Distribution, OM1, 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**

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OM1                      |
| Fiber Core Diameter: | 62.5/120 µm              |
| Fiber Diameter:      | 250 µm                   |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Fiber Count:         | 6                        |
| Fiber Color Coding:  | TIA-598-D                |

**Cable Construction**

|                            |   |
|----------------------------|---|
| 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                       | 3.5 dB/km  | 1.25 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**

|                                            |                       |
|--------------------------------------------|-----------------------|
| 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-1D9-006-RN2N | Black | Cut to Length | 612825485261 |

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