



Product: [TU-3DK-096-RI2](#)

Tray, In+Outdoor, DN, OM3, 96f, Unitized, AIA, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

Product Description

Tray Grade, Indoor/Outdoor, Distribution, OM3, 96 Fibers, Unitized (12f/unit) 900um, Aluminum Interlock Armor, Double Jacket, Black, CPE, OFCR, 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, Rodent Proof |

Fiber Specifications

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OM3                      |
| Fiber Core Diameter: | 50/125 µm                |
| Fiber Diameter:      | 250 µm                   |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Fiber Count:         | 96                       |
| Fiber Color Coding:  | TIA-598-D                |

Cable Construction

|                            |                           |
|----------------------------|---------------------------|
| Number of Active Subunits: | 8                         |
| Fibers Per Subunit:        | 12                        |
| Subunit Diameter:          | 0.230 in (5.8 mm)         |
| Subunit Color:             | Aqua                      |
| Subunit Strength Members:  | Waterblocking Aramid Yarn |
| Central Strength Member:   | Upjacketed GRP            |
| Core Wrap:                 | Waterblocking tape        |

Inner Jacket Specifications

|                     |                          |
|---------------------|--------------------------|
| Material:           | PVC - Polyvinyl Chloride |
| Nom. Diameter:      | 0.977 in (24.8 mm)       |
| Color:              | Black                    |
| Number of Ripcords: | 1                        |

Armor Specifications

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

Outer Jacket Specifications

|                  |                                |
|------------------|--------------------------------|
| Jacket Material: | CPE - Chlorinated Polyethylene |
| Nom. Diameter:   | 1.390 in (35.3 mm)             |

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:      | 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:                         | 639 lbs/kft (951 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, Burial |
| Sustainability:                  | CA Prop 65                                                  |
| Flammability / Reaction to Fire: | OFCR, 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-3DK-096-RI2N | Black | Cut to Length | 612825485636 |

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