



**Product:** [TF-3D9-024-RN5](#) 

Factory, In+Outdoor, DN, OM3, 24f, Non-Unit, Sgl Jkt - PVC, OFNR, Ozone-UV-Oil Res

## Product Description

Factory Grade, Indoor/Outdoor, Distribution, OM3, 24 Fibers, Non-Unit 900um, Single Jacket - PVC, OFNR, 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 |

### Fiber Specifications

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OM3                      |
| Fiber Core Diameter: | 50 µm                    |
| Fiber Diameter:      | 250 µm                   |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 µm                   |
| Fiber Count:         | 24                       |
| Fiber Color Coding:  | TIA-598-D                |

### Outer Jacket Specifications

|                  |                            |
|------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | PVC - Polyvinyl Chloride   |
| Nom. Diameter:   | 0.330 in (8.4 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 | 1500 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: | 2670 N (600 lbf)      |
| Max. Tensile Strength During Operation:    | 800 N (180 lbf)       |
| Crush Resistance:                          | 220 N/cm              |
| Bulk Cable Weight:                         | 42 lbs/kft (63 kg/km) |

### Temperature Range

|                                 |                |
|---------------------------------|----------------|
| 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: | OFNR, FT4                                           |
| ICEA Compliance:                 | S-104-696                                           |

Product Notes

|        |                                  |
|--------|----------------------------------|
| Notes: | Ozone, Hydraulic fluid resistant |
|--------|----------------------------------|

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.22 Revision Date: 11-14-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | Putup Type |
|-----------------|-------|------------|
| TF-3D9-024-RN5N | Black | Reel       |

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