



Product: [FI4M024A1A](#)

Indoor Plenum OM4 Mini-Distribution 24F 2mm Sub-Units Aqua

Product Description

Indoor OM4 Mini-Distribution 24 Fibers OFCP Jacket Sub-Units (2.0MM) Aqua Jacket

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Data Center, RAN, Horizontal Backbone, Premise Backbone, Patching, Trunking |
|------------------------|---|

Fiber Specifications

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|----------------------|-----------|
| Fiber Type: | OM4 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 24 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|-------------------|
| Number of Active Subunits: | 2 |
| Fibers Per Subunit: | 12 |
| Subunit Diameter: | 0.078 in (2.0 mm) |
| Subunit Color: | Aqua |
| Subunit Strength Members: | Aramid yarns |
| Central Strength Member: | GRP |

Inner Jacket Specifications

| | |
|---------------------|--------------------------|
| Strength Member: | Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.280 in (7.1 mm) |
| Color: | Aqua |
| Number of Ripcords: | 2 |

Armor Specifications

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

Outer Jacket Specifications

| | |
|---------------------|--------------------------|
| Jacket Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.531 in (13.5 mm) |
| Color: | Aqua |
| Number of Ripcords: | 2 |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|---------------------------------|-----------|-----------|
| Max. Attenuation | 3.0 dB/km | 1.2 dB/km |
| 1 Gigabit Ethernet Performance | 1,040 m | 550 m |
| 10 Gigabit Ethernet Performance | 550 m | -- |

| | | |
|--|-------------|------------|
| Min. Effective Modal Bandwidth (EMB) | 4700 MHz.km | -- |
| Min. Overfilled Launch (OFL) Bandwidth | 3500 MHz.km | 500 MHz.km |

Mechanical Characteristics

| | |
|--|-------------------------|
| Min. Bend Radius During Installation: | 20x Cable OD |
| Min. Bend Radius During Operation: | 15x Cable OD |
| Max. Tensile Strength During Installation: | 670 N (150 lbf) |
| Max. Tensile Strength During Operation: | 200 N (45 lbf) |
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 121 lbs/kft (180 kg/km) |

Temperature Range

| | |
|---------------------------------|----------------|
| Installation Temperature Range: | 0°C to +60°C |
| Operating Temperature Range: | 0°C to +70°C |
| Storage Temperature Range: | -40°C to +70°C |

Standards and Compliance

| | |
|----------------------------------|--------------------|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | OFCP, FT6 |
| ICEA Compliance: | S-83-596 |
| TIA/EIA Compliance: | ANSI/ICEA S-83-596 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.93 Revision Date: 02-03-2025 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type | UPC |
|------------|-------|------------|--------------|
| FI4M024A1A | Aqua | Reel | 612825288626 |

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