



**Product:** [FI4M144A1A](#)

Indoor Plenum OM4 Mini-Distribution 144F 2mm Sub-Units Aqua

**Product Description**

Indoor OM4 Mini-Distribution 144 Fibers OFCP Jacket Sub-Units (2.0MM) Aqua Jacket

**Technical Specifications**

|                    |                   |
|--------------------|-------------------|
| Part Number:       | FI4M144A1A        |
| Construction Type: | Mini Distribution |

**Product Overview**

|                        |        |
|------------------------|--------|
| Environmental Space:   | Indoor |
| Suitable Applications: | Indoor |

**Construction**

**Fiber Cable Construction**

| Fiber Type | Fiber Count |
|------------|-------------|
| OM4        | 144         |

|                          |     |
|--------------------------|-----|
| Central Strength Member: | GRP |
|--------------------------|-----|

**SubUnit Specifications**

|                              |                   |
|------------------------------|-------------------|
| Number of Active Subunits:   | 12                |
| Number of Subunit Positions: | 12                |
| Fibers Per Subunit:          | 12                |
| SubUnit Diameter:            | 0.078 in (2.0 mm) |

**Jacket Specifications**

|                    |                      |
|--------------------|----------------------|
| Number of Jackets: | Double Jacket        |
| Type of Armor:     | Interlocked Aluminum |

**Inner Jacket**

|                     |                          |
|---------------------|--------------------------|
| Number of Ripcords: | 2                        |
| Color:              | Aqua                     |
| Material:           | PVC - Polyvinyl Chloride |

**Outer Jacket**

**Outer Jacket Material**

| Material      | Nominal Diameter  |
|---------------|-------------------|
| Thermoplastic | 0.74 in (18.8 mm) |

|                     |              |
|---------------------|--------------|
| Color:              | Aqua         |
| Number of Ripcords: | 2            |
| Nominal Diameter:   | 0.723 (18.4) |

**Optical Characteristics**

|                                  |                          |
|----------------------------------|--------------------------|
| Effective Modal Bandwidth (EMB): | 4700 MHz-km / 500 MHz-km |
|----------------------------------|--------------------------|

|                                        |                         |
|----------------------------------------|-------------------------|
| Fiber Core Diameter:                   | 50/125                  |
| Max Attenuation at 1300 nm:            | 1.0 dB/km               |
| Max Attenuation at 850 nm:             | 3.0 dB/km               |
| Wavelength:                            | 850 nm / 1300 nm        |
| 10 Gigabit Ethernet Performance:       | 550 m / 300 m           |
| 1 Gigabit Ethernet Performance:        | - / 550 m               |
| Min Overfilled Launch (OFL) Bandwidth: | 3500 MHz-km /550 Mhz-km |

## Mechanical Characteristics

### Mechanical Tests

| Description                                      | Requirement/Value |
|--------------------------------------------------|-------------------|
| Cable Min. Bend Radius Installation (Short Term) | 20x Cable OD      |
| Cable Min. Bend Radius Operation (Long Term)     | 15x Cable OD      |

## Temperature Range

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

## Standards

|                       |                    |
|-----------------------|--------------------|
| UL Rating/Flame Test: | OFCP               |
| NEC/(UL) Compliance:  | N/A                |
| C (UL) US:            | FT4                |
| TIA/EIA Compliance:   | ANSI/ICEA S-83-596 |
| RoHS:                 | Yes                |

## History

### Variants

| Item #     | Color | UPC          |
|------------|-------|--------------|
| FI4M144A1A | Aqua  | 612825288923 |

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.63 Revision Date: 05-26-2020 |
|----------------------|-------------------------------------------------|

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