



Product: [FI3M096L2](#)

Indoor Riser OM3 Mini-Distribution 96F

Product Description

Mini-Distribution Fiber Cable, OM3, Multimode, 96 Fibers, LSZH/Riser (OFNR), 3.0mm, Aqua Jacket

Technical Specifications

|                    |                   |
|--------------------|-------------------|
| Part Number:       | FI3M096L2         |
| Construction Type: | Mini Distribution |

Product Overview

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

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM3        | 96          |

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

SubUnit Specifications

|                              |                   |
|------------------------------|-------------------|
| Number of Active Subunits:   | 8                 |
| Number of Subunit Positions: | 8                 |
| Fibers Per Subunit:          | 12                |
| SubUnit Diameter:            | 0.118 in (3.0 mm) |

Jacket Specifications

|                    |               |
|--------------------|---------------|
| Number of Jackets: | Single Jacket |
|--------------------|---------------|

Inner Jacket

|           |                                                 |
|-----------|-------------------------------------------------|
| Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
|-----------|-------------------------------------------------|

Outer Jacket

Outer Jacket Material

| Material      | Nominal Diameter  |
|---------------|-------------------|
| Thermoplastic | 0.52 in (13.2 mm) |

|                     |              |
|---------------------|--------------|
| Color:              | Aqua         |
| Number of Ripcords: | 2            |
| Nominal Diameter:   | 0.520 (13.2) |

Optical Characteristics

|                                  |                          |
|----------------------------------|--------------------------|
| Effective Modal Bandwidth (EMB): | 2000 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:       | 300 m / 300 m            |
| 1 Gigabit Ethernet Performance:        | - / 550 m                |
| Min Overfilled Launch (OFL) Bandwidth: | 1500 MHz-km / 500 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: | OFNR               |
| NEC/(UL) Compliance:  | N/A                |
| C (UL) US:            | FT4                |
| TIA/EIA Compliance:   | ANSI/ICEA S-83-596 |
| RoHS:                 | Yes                |

## History

### Variants

| Item #    | Color | UPC          |
|-----------|-------|--------------|
| FI3M096L2 | Aqua  | 612825288220 |

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.56 Revision Date: 03-13-2019 |
|----------------------|-------------------------------------------------|

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.