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### General Description:

FiberExpress Distribution Cable, 12-Fiber, OM3-BIF OFNP, Tight Buffer, Indoor Rated with Aqua Jacket, High flexibility for backbone and horizontal applications.

### Physical Characteristics (Overall)

|                             |                     |
|-----------------------------|---------------------|
| Fiber Type:                 | 50 Micron (OM3-BIF) |
| Number of Fibers:           | 12                  |
| Core Diameter:              | 50                  |
| Clad Diameter:              | 125                 |
| Primary Coating Diameter:   | 250                 |
| Secondary Coating Diameter: | 900                 |
| Buffer Tube Material:       | Thermoplastic       |

### Outer Jacket

Outer Jacket Material:

|                          |
|--------------------------|
| Outer Jacket Material    |
| PVC - Polyvinyl Chloride |

|                     |      |
|---------------------|------|
| Outer Jacket Color: | AQUA |
|---------------------|------|

### Strength Member

|                           |             |
|---------------------------|-------------|
| Strength Member Material: | Aramid Yarn |
|---------------------------|-------------|

### Mechanical Characteristics (Overall)

|   |                 |
|---|-----------------|
| Storage Temperature Range:                  | -40°C To +75°C  |
| Installation Temperature Range:             | 0°C To +70°C    |
| Operating Temperature Range:                | 0°C To +70°C    |
| Bulk Cable Weight:                          | 17 lbs/1000 ft. |
| Min. Bend Radius/Minor Axis:                | 2.700 in.       |
| Min. Bend Radius for Long Term Application: | 1.800 in.       |
| Max. Load for Installation:                 | 239 lbs.        |
| Max. Load for Long Term Application:        | 400 lbs.        |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | OFNP       |
| CEC/C(UL) Specification:              | OFNP       |
| EU Directive 2011/65/EU (ROHS II):    | Yes        |
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 08/01/2008 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MII Order #39 (China RoHS):           | Yes        |

### Flame Test

|                 |              |
|-----------------|--------------|
| UL Flame Test:  | UL1666 Riser |
| CSA Flame Test: | FT6          |

**Suitability**

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | No  |
| Suitability - Aerial:  | No  |
| Suitability - Burial:  | No  |
| Sunlight Resistance:   | No  |

**Plenum/Non-Plenum**

|               |     |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

**Optical Characteristics (Overall)**

|   |   |
|---|---|
| Maximum Attenuation @ 850nm:              | 3.25 dB/km                              |
| Maximum Attenuation @ 1300nm:             | 1.0 dB/km                               |
| Minimum Bandwidth @ 850nm:                | OFL 1500 // Laser Optimized 2000 MHz*km |
| Minimum Bandwidth @ 1300nm:               | 500 MHz*km                              |
| Maximum Gigabit Ethernet Length @ 850nm:  | 1000 meters                             |
| Maximum Gigabit Ethernet Length @ 1300nm: | 550 meters                              |

**Fiber Coding MLT EMEA:**

| Fiber/Tube No. | Color  |
|----------------|--------|
| 1              | Blue   |
| 2              | Orange |
| 3              | Green  |
| 4              | Brown  |
| 5              | Slate  |
| 6              | White  |
| 7              | Red    |
| 8              | Black  |
| 9              | Yellow |
| 10             | Violet |
| 11             | Rose   |
| 12             | Aqua   |

**Related Documents:**

[Distribution Cable.pdf](#) - Distribution Cable technical information.

**Put Ups and Colors:**

| Item # | Putup | Ship Weight | Color | Notes | Item Desc             |
|--------|-------|-------------|-------|-------|-----------------------|
| B9C048 | 1 FT  | 0.000       | AQUA  |       | REPLACED BY FI3D012P9 |

Revision Number: 2    Revision Date: 03-06-2015

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