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1-800-Belden1



General Description:

FiberExpress Distribution Cable, 12-Fiber, OM1 OFNR, Tight Buffer, Indoor Rated with Orange Jacket, High flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

| | |
|-----------------------|-------------------|
| Fiber Type: | 62.5 Micron (OM1) |
| Number of Fibers: | 12 |
| Buffer Tube Material: | Thermoplastic |

Outer Jacket

Outer Jacket Material:

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

Strength Member

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

Overall Cable

| | |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.220 in. |
|---------------------------|-----------|

Mechanical Characteristics (Overall)

| | |
|---|-----------------|
| Storage Temperature Range: | -40°C To +75°C |
| Installation Temperature Range: | -20°C To +70°C |
| Operating Temperature Range: | -20°C To +70°C |
| Bulk Cable Weight: | 17 lbs/1000 ft. |
| Min. Bend Radius/Minor Axis: | 3.500 in. |
| Min. Bend Radius for Long Term Application: | 2.500 in. |
| Max. Load for Installation: | 100 lbs. |
| Max. Load for Long Term Application: | 30 lbs. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | OFNR |
| CEC/C(UL) Specification: | OFN |
| 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: | FT4 |

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | No |

| | |
|-----------------------|----|
| Suitability - Aerial: | No |
| Suitability - Burial: | No |
| Sunlight Resistance: | No |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Optical Characteristics (Overall)

| | |
|---|------------|
| Maximum Attenuation @ 850nm: | 3.5 dB/km |
| Maximum Attenuation @ 1300nm: | 1.2 dB/km |
| Minimum Bandwidth @ 850nm: | 200 MHz*km |
| Minimum Bandwidth @ 1300nm: | 600 MHz*km |
| Maximum Gigabit Ethernet Length @ 850nm: | 300 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 |
|--------|-------|-------------|-------|-------|-----------------------|
| B9B042 | 1 FT | 0.000 | | | REPLACED BY F11D012R9 |

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