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Information
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1-800-Belden1



General Description:

FiberExpress Single Jacket-All Dielectric Cable, 12-Fiber, OS2 OFNR, Loose Tube, Indoor & Outdoor Rated with UV Resistant Black Jacket, No grounding required, Suited for aerial lashing and underground conduit.

Physical Characteristics (Overall)

| | |
|-------------------------------|---------------|
| Fiber Type: | SM, (OS2) |
| Number of Fibers: | 12 |
| Mode Field Diameter @ 1310nm: | 9.2 |
| Clad Diameter: | 125 |
| Primary Coating Diameter: | 245 |
| Buffer Tube Material: | Thermoplastic |

Outer Jacket

| | |
|------------------------|--------------------------|
| Outer Jacket Material: | |
| Outer Jacket Material: | PVC - Polyvinyl Chloride |
| Outer Jacket Color: | Black |

Strength Member

| | |
|---------------------------|-----------------------------------|
| Strength Member Material: | Aramid Yarn, Fiberglass Epoxy Rod |
|---------------------------|-----------------------------------|

Overall Cable

| | |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.510 in. |
|---------------------------|-----------|

Mechanical Characteristics (Overall)

| | |
|---|------------------|
| Storage Temperature Range: | -40°C To +75°C |
| Installation Temperature Range: | -30°C To + 70°C |
| Operating Temperature Range: | -40°C To +70°C |
| Bulk Cable Weight: | 108 lbs/1000 ft. |
| Min. Bend Radius/Minor Axis: | 10,200 in. |
| Min. Bend Radius for Long Term Application: | 5,100 in. |
| Max. Load for Installation: | 600 lbs. |
| Max. Load for Long Term Application: | 200 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): | 08/22/2008 |
| 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 |
| C(UL) Flame Test: | FT4 |
| CSA Flame Test: | FT4 |

B9W811 Fiber - All Dielectric Cable - In/Outdoor Riser

Suitability

| | |
|--------------------------|--|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Aerial: | Yes - When supported by messenger wire |
| Suitability - Burial: | Yes |
| Sunlight Resistance: | Yes |
| Plenum/Non-Plenum | |
| Plenum (Y/N): | No |

Optical Characteristics (Overall)

| | |
|---|-------------|
| Maximum Attenuation @ 1310nm: | .35 dB/km |
| Maximum Attenuation @ 1550nm: | .25 dB/km |
| Maximum Gigabit Ethernet Length @ 1300nm: | 5000 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:

[Loose Tube Single Jacket All Dielectric.pdf](#) - Loose Tube Single Jacket All Dielectric technical information.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------------------|
| B9W811 | 1 FT | 0.080 LB | BLACK | | REPLACED BY FDSL012RF |

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