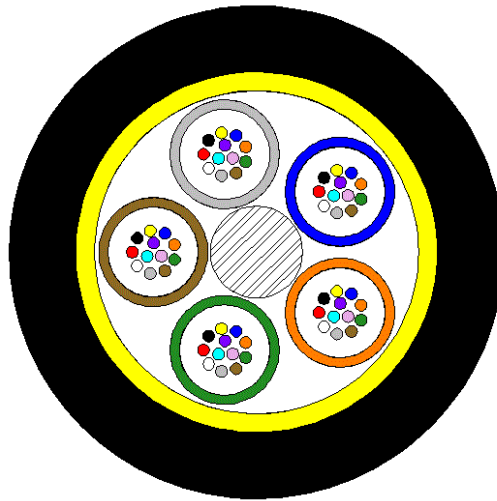


## B9B500T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket



For more  
Information  
please call

1-800-Belden1



**General Description:**

FiberExpress Single Jacket-All Dielectric Cable, 24-Fiber, OM1 OSP, Loose Tube, Outdoor Rated with UV Resistant Black Jacket, No grounding required, Suited for aerial lashing and underground conduit.

**Physical Characteristics (Overall)**

|                       |                   |
|-----------------------|-------------------|
| Fiber Type:           | 62.5 Micron (OM1) |
| Number of Fibers:     | 24                |
| Buffer Tube Material: | Thermoplastic     |

**Outer Jacket**

Outer Jacket Material:

|                       |                   |
|-----------------------|-------------------|
| Outer Jacket Material | PE - Polyethylene |
|-----------------------|-------------------|

**Strength Member**

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

**Overall Cable**

|                           |           |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.410 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:                          | 57 lbs/1000 ft. |
| Min. Bend Radius/Minor Axis:                | 8.200 in.       |
| Min. Bend Radius for Long Term Application: | 4.100 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**

|                                       |            |
|---------------------------------------|------------|
| 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        |

**Suitability**

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

**Plenum/Non-Plenum**

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

**Optical Characteristics (Overall)**

|                               |           |
|-------------------------------|-----------|
| Maximum Attenuation @ 850nm:  | 3.5 dB/km |
| Maximum Attenuation @ 1300nm: | 1.2 dB/km |

## B9B500T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket

|   |            |
|---|------------|
| 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:

[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           |
|---------|-------|-------------|-------|-------|---------------------|
| B9B500T | 1 FT  | 0.000       | BLACK |       | SJAD 24F OM1 OSP LT |

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