

**B9B606 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)**

For more Information  
please call

1-800-Belden1

**Description:**

FiberExpress Optical Fiber Distribution Cables are designed for low to high fiber count in-building installations. They offer a high degree of flexibility for backbone and horizontal applications.

**Physical Characteristics (Overall)**

|                              |                     |
|------------------------------|---------------------|
| <b>Fiber Type:</b>           | 62.5/125/900 Micron |
| <b>Number of Fibers:</b>     | 48                  |
| <b>Buffer Tube Material:</b> | Thermoplastic       |

**Outer Jacket**

**Outer Jacket Material:**

|                              |
|------------------------------|
| <b>Outer Jacket Material</b> |
| PVC - Polyvinyl Chloride     |

**Strength Member**

|                                  |             |
|----------------------------------|-------------|
| <b>Strength Member Material:</b> | Aramid Yarn |
|----------------------------------|-------------|

**Overall Cable**

|                                  |           |
|----------------------------------|-----------|
| <b>Overall Nominal Diameter:</b> | 0.610 in. |
|----------------------------------|-----------|

**Mechanical Characteristics (Overall)**

|  |                  |
|--|------------------|
| <b>Storage Temperature Range:</b>                  | -40°C To +75°C   |
| <b>Installation Temperature Range:</b>             | -20°C To +70°C   |
| <b>Operating Temperature Range:</b>                | -20°C To +70°C   |
| <b>Bulk Cable Weight:</b>                          | 120 lbs/1000 ft. |
| <b>Min. Bend Radius (Install)/Minor Axis:</b>      | 9.100 in.        |
| <b>Min. Bend Radius for Long Term Application:</b> | 6.100 in.        |
| <b>Max. Load for Installation:</b>                 | 956 lbs.         |
| <b>Max. Load for Long Term Application:</b>        | 476 lbs.         |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

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

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## 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 |
|--|-----|

|   |     |
|---|-----|
| Maximum Gigabit Ethernet Length @ 1300nm: | 550 |
|---|-----|

## Fiber Coding MLT EMEA:

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

## Notes (Overall)

**Notes:** 6 Fibers per PVC-jacketed tube

## Related Documents:

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

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color  | Notes | Item Desc         |
|--------|-------|-------------|--------|-------|-------------------|
| B9B606 | 1 FT  | 0.000       | ORANGE |       | 48G2 DIST RSR ORG |

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