

## B9B048T Fiber - Distribution Cable - Plenum Indoor/Outdoor



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)

#### Product Family - Plenum:

| Fiber Count | Type             | OM1 MM<br>62.5/125<br>1 Gb | OM2 MM<br>50/125<br>1 Gb | OM3 MM<br>50/125<br>10 Gb 300m | OM4 MM<br>50/125<br>1- Gb 500m | OS2 SM  |
|-------------|------------------|----------------------------|--------------------------|--------------------------------|--------------------------------|---------|
| 2           | Indoor           | B9B043                     | B9A043                   | B9C043                         | B9E043                         | B9W043  |
| 2           | Indoor / Outdoor | B9B043T                    | B9A043T                  | B9C043T                        | B9E043T                        | B9W043T |
| 4           | Indoor           | B9B044                     | B9A044                   | B9C044                         | B9E044                         | B9W044  |
| 4           | Indoor / Outdoor | B9B044T                    | B9A044T                  | B9C044T                        | B9E044T                        | B9W044T |
| 6           | Indoor           | B9B045                     | B9A045                   | B9C045                         | B9E045                         | B9W045  |
| 6           | Indoor / Outdoor | B9B045T                    | B9A045T                  | B9C045T                        | B9E045T                        | B9W045T |
| 8           | Indoor           | B9B046                     | B9A046                   | B9C046                         | B9E046                         | B9W046  |
| 8           | Indoor / Outdoor | B9B046T                    | B9A046T                  | B9C046T                        | B9E046T                        | B9W046T |
| 12          | Indoor           | B9B048                     | B9A048                   | B9C048                         | B9E048                         | B9W048  |
| 12          | Indoor / Outdoor | B9B048T                    | B9A048T                  | B9C048T                        | B9E048T                        | B9W048T |
| 24          | Indoor           | B9B612                     | B9A612                   | B9C612                         | B9E612                         | B9W612  |
| 24*         | Indoor           | B9B611                     | B9A611                   | B9C611                         | B9E611                         | B9W611  |
| 36          | Indoor           | B9B614                     | B9A614                   | B9C614                         | B9E614                         | B9W614  |
| 48          | Indoor           | B9B616                     | B9A616                   | B9C616                         | B9E616                         | B9W616  |
| 72          | Indoor           | B9B620                     | B9A620                   | B9C620                         | B9E620                         | B9W620  |
| 96          | Indoor           | B9B623                     | B9A623                   | B9C623                         | B9E623                         | B9W623  |
| 144         | Indoor           | B9B621                     | B9A621                   | B9C621                         | B9E621                         | B9W621  |
| * Single    | jacket design    |                            |                          |                                |                                |         |

#### Product Family - Riser:

| Fiber Count | Type             | OM1 MM<br>62.5/125<br>1 Gb | OM2 MM<br>50/125<br>1 Gb | OM3 MM<br>50/125<br>10 Gb 300m | OM4 MM<br>50/125 | OS2 SM  |
|-------------|------------------|----------------------------|--------------------------|--------------------------------|------------------|---------|
| 2           | Indoor           | B9B037                     | B9A037                   | B9C037                         | B9E037           | B9W037  |
| 2           | Indoor / LSZH    | B9B100                     | B9A100                   | B9C100                         | B9E100           | B9W100  |
| 2           | Indoor / Outdoor | B9B037T                    | B9A037T                  | B9C037T                        | B9E037T          | B9W037T |
| 4           | Indoor           | B9B038                     | B9A038                   | B9C038                         | B9E038           | B9W038  |
| 4           | Indoor / LSZH    | B9B101                     | B9A101                   | B9C101                         | B9E101           | B9W101  |
| 4           | Indoor / Outdoor | B9B038T                    | B9A038T                  | B9C038T                        | B9E038T          | B9W038T |
| 6           | Indoor           | B9B039                     | B9A039                   | B9C039                         | B9E039           | B9W039  |
| 6           | Indoor / LSZH    | B9B102                     | B9A102                   | B9C102                         | B9E102           | B9W102  |
| 6           | Indoor / Outdoor | B9B039T                    | B9A039T                  | B9C039T                        | B9E039T          | B9W039T |
| 8           | Indoor           | B9B040                     | B9A040                   | B9C040                         | B9E040           | B9W040  |
| 8           | Indoor / LSZH    | B9B103                     | B9A103                   | B9C103                         | B9E103           | B9W103  |
| 8           | Indoor / Outdoor | B9B040T                    | B9A040T                  | B9C040T                        | B9E040T          | B9W040T |
| 12          | Indoor           | B9B042                     | B9A042                   | B9C042                         | B9E042           | B9W042  |
| 12          | Indoor / LSZH    | B9B104                     | B9A104                   | B9C104                         | B9E104           | B9W104  |
| 12          | Indoor / Outdoor | B9B042T                    | B9A042T                  | B9C042T                        | B9E042T          | B9W042T |
| 16          | Indoor / LSZH    | B9B105                     | B9A105                   | B9C105                         | B9E105           | B9W105  |
| 24          | Indoor           | B9B602                     | B9A602                   | B9C602                         | B9E602           | B9W602  |
| 24          | Indoor / Outdoor | B9B602T                    | B9A602T                  | B9C602T                        | B9E602T          | B9W602T |
| 24*         | Indoor           | B9B601                     | B9A601                   | B9C601                         | B9E601           | B9W601  |

## B9B048T Fiber - Distribution Cable - Plenum Indoor/Outdoor

|         |                  |         |         |         |         |     |         |
|---------|------------------|---------|---------|---------|---------|-----|---------|
| 24*     | Indoor / LSZH    | B9B107  | B9A107  | B9C107  | B9E107  | . . | B9W107  |
| 24*     | Indoor / Outdoor | B9B601T | B9A601T | B9C601T | B9E601T | . . | B9W601T |
| 36      | Indoor           | B9B604  | B9A604  | B9C604  | B9E604  | . . | B9W604  |
| 36      | Indoor / LSZH    | B9B111  | B9A111  | B9C111  | B9E111  | . . | B9W111  |
| 36      | Indoor / Outdoor | B9B604T | B9A604T | B9C604T | B9E604T | . . | B9W604T |
| 48      | Indoor           | B9B606  | B9A606  | B9C606  | B9E606  | . . | B9W606  |
| 48      | Indoor / LSZH    | B9B112  | B9A112  | B9C112  | B9E112  | . . | B9W112  |
| 48      | Indoor / Outdoor | B9B606T | B9A606T | B9C606T | B9E606T | . . | B9W606T |
| 72      | Indoor           | B9B609  | B9A609  | B9C609  | B9E609  | . . | B9W609  |
| 72      | Indoor / LSSZH   | B9B114  | B9A114  | B9C114  | B9E114  | . . | B9W114  |
| 72      | Indoor / Outdoor | B9B609T | B9A609T | B9C609T | B9E609T | . . | B9W609T |
| 96      | Indoor           | B9B622  | B9A622  | B9C622  | B9E622  | . . | B9W622  |
| 96      | Indoor / LSZH    | B9B116  | B9A116  | B9C116  | B9E116  | . . | B9W116  |
| 144     | Indoor           | B9B619  | B9A619  | B9C619  | B9E619  | . . | B9W619  |
| 144     | Indoor / LSZH    | B9B120  | B9A120  | B9C120  | B9E120  | . . | B9W120  |
| *Single | jacket design    |         |         |         |         |     |         |

**Fiber Type:** 62.5 Micron (OM1)

**Number of Fibers:** 12

### Outer Jacket

**Outer Jacket Material:**

**Outer Jacket Material**

PVC - Polyvinyl Chloride

### Strength Member

**Strength Member Material:** Aramid Yarn

### Overall Cable

**Overall Nominal Diameter:** 0.230 in.

### Mechanical Characteristics (Overall)

**Storage Temperature Range:** -40°C To +75°C

**Installation Temperature Range:** 0°C To +70°C

**Operating Temperature Range:** -20°C To +70°C

**Bulk Cable Weight:** 34 lbs/1000 ft.

**Min. Bend Radius/Minor Axis:** 4.600 in.

**Min. Bend Radius for Long Term Application:** 2.300 in.

**Max. Load for Installation:** 150 lbs.

**Max. Load for Long Term Application:** 45 lbs.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** OFNP

**CEC/C(UL) Specification:** OFNP

**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

## B9B048T Fiber - Distribution Cable - Plenum Indoor/Outdoor

UL Flame Test: UL910 Plenum

CSA Flame Test: FT6

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: No

Suitability - Burial: Yes

Sunlight Resistance: Yes

### Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: B9B042T

### 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              | Gray   |
| 6              | White  |
| 7              | Red    |
| 8              | Black  |
| 9              | Yellow |
| 10             | Purple |
| 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             |
|---------|-------|-------------|-------|-------|-----------------------|
| B9B048T | 1 FT  | 0.035 LB    | BLACK |       | DISTR 12F OM1 OFNP TB |

Revision Number: 2    Revision Date: 11-07-2012

© 2012 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.  
Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the

## **B9B048T Fiber - Distribution Cable - Plenum Indoor/Outdoor**

compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9