

## B9W048T 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  |

## B9W048T 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:** SM, (OS2)

**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:** 0.250 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:** 5 in.

**Min. Bend Radius for Long Term Application:** 2.500 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

## B9W048T Fiber - Distribution Cable - Plenum Indoor/Outdoor

### Flame Test

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

### Optical Characteristics (Overall)

Maximum Attenuation @ 1310nm: .5 dB/km

Maximum Attenuation @ 1550nm: .5 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              | 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             |
|---------|-------|-------------|-------|-------|-----------------------|
| B9W048T | 1 FT  | 0.044 LB    | BLACK |       | DISTR 12F OS2 OFNP TB |

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## B9W048T Fiber - Distribution Cable - Plenum Indoor/Outdoor

## 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

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