

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 62.5/125 1 Gb | OM2 MM 50/125 1 Gb | OM3 MM 50/125 10 Gb 300m | OM4 MM 50/125 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 62.5/125 1 Gb | OM2 MM 50/125 1 Gb | OM3 MM 50/125 10 Gb 300m | OM4 MM 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 |

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

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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 |

Revision Number: 1 Revision Date: 11-12-2012

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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.