

Multimode, 62.5-Micron, Breakout-Style Bulk Fiber Optic Cable

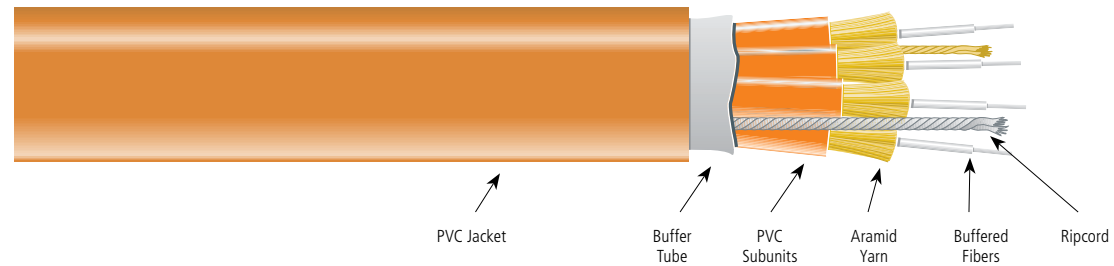
**Tight-buffered breakout
cable designed for voice,
data, video, and imaging
transmissions.**



FEATURES

- » Breakout design enables individual routing of fibers for termination and maintenance.
- » Suitable for indoor use.
- » Ideal for indoor backbone and horizontal runs.
- » The special outer jacket isolates the fiber conductors from moisture.

This cable features a strong design!



OVERVIEW

This breakout-style cable is composed of several simplex fibers stranded around a central member and packaged individually inside one jacket. It differs from distribution-style cable, where several tight-buffered fibers are bundled together under the same jacket.

This breakout-style cable is extremely versatile and is suitable for use in riser and plenum indoor applications. You can use it in backbone and horizontal runs.

Each fiber is individually reinforced, so you can divide breakout-style cable into individual fiber lines. This enables quick connector termination and eliminates the need for patch panels.

This breakout cable can also be more economical because it requires much less labor to terminate. You may want to choose a cable that has more fibers than you actually need in case of breakage during termination or for future expansion.

The construction of this cable ensures a long life. It consists of: outer jacket, tape binder, breakout fiber assembly (tight-buffered fiber surrounded in aramid yarns and jacketed), strength member, and ripcord.

For easier handling, this cable also features an easily strippable 900- μm coating. Both the PVC and plenum cables are rated for fire safety.

Single-mode versions of this cable are also available.

The minimum order for custom lengths is 1000 feet (304.8 m).

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

TECH SPECS

Attenuation (Maximum) — 3.5/1 dB/km @ 850/1300 nm

Bandwidth (Minimum) —

- 200 MHz/km @ 850 nm;
- 500 MHz/km @ 1300 nm

Bend Radius — PVC:

- 2-Fiber: 5.7" (14.5 cm) installation, 4.3" (10.9 cm) operating;
- 4-Fiber: 6.5" (16.5 cm) installation, 4.9" (12.4 cm) operating;
- 6-Fiber: 7.5" (19.1 cm) installation, 5.7" (14.5 cm) operating;
- 8-Fiber: 8.9" (22.6 cm) installation, 6.7" (17 cm) operating;
- 12-Fiber: 11.3" (28.7 cm) installation, 8.5" (21.6 cm) operating;
- 24-Fiber: 13.6" (34.5 cm) installation, 10.2" (25.9 cm) operating;
- 36-Fiber: N/A

- Plenum: 4-Fiber: 5.4" (13.7 cm) installation, 4.1" (10.4 cm) operating;
- 6-Fiber: 6.6" (16.8 cm) installation, 5" (12.7 cm) operating;
- 12-Fiber: 10.6" (27 cm) installation, 7.9" (20 cm) operating;
- 24-Fiber: 13" (33 cm) installation, 9.8" (25 cm) operating;
- 36-Fiber: N/A

Buffer Diameter — 900 µm

Cladding Diameter — 125 µm

Core Diameter — 62.5 µm, multimode

Pulling Strength —

- 2-Fiber: 1200 Newtons/270 lb.;
- 4-Fiber: 2000 Newtons/450 lb.;
- 6-and 8-Fiber: 2700 Newtons/600 lb.;
- 12-Fiber: 3500 Newtons/788 lb.;
- 24-Fiber: 5520 Newtons/1240 lb.

Standards — PVC: UL® 1666, CSA FT4;

Plenum: UL 910, CSA FT6;

All: IEEE 802.3 for 1000BASE-SX/LX, 100BASE-F, 10BASE-F, ATM 155, ATM 622, ATM 1.2/2.4 Gbps, TIA 492AAAC 10-Gigabit Ethernet, Fibre Channel FC-PH, IEEE 802.5, FDDI, ICEA 83-596, EIA/TIA-568-B

Tension (Installed) —

- 2-Fiber: 500 Newtons/113 lb.;
- 4-, 6-, and 8-Fiber: 1110 Newtons/250 lb.;
- 12-Fiber: 1200 Newtons/700 lb.;
- 24-Fiber: 2000 Newtons/450 lb.;
- 36-Fiber: 2700 Newtons/600 lb.

Vertical Rise — PVC: 2-Fiber: 2739 ft. (834.8 m);

- 4-Fiber: 5000 ft. (1524 m);
- 6-Fiber: 3509 ft. (1069.5 m);

8-Fiber: 2564 ft. (781.5 m);

12-Fiber: 1674 ft. (510.2 m);

24-Fiber: 2169 ft. (661.1 m);

36-Fiber: N/A

Plenum: 4-Fiber: 6667 ft. (2032.1 m);

6-Fiber: 4545 ft. (1385.3 m);

12-Fiber: 1728 ft. (527 m);

24-Fiber: 2483 ft. (757 m);

36-Fiber: N/A

Temperature —

Operating: -4 to +176° F (-20 to +80° C);

Storage: -40 to +176° F (-40 to +80° C);

Installation: 32 to 122° F (0 to 50° C)

Size — PVC: 2-Fiber: 0.286" (7.26 mm);

4-Fiber: 0.325" (8.26 mm);

6-Fiber: 0.377" (9.58 mm);

8-Fiber: 0.445" (11.3 mm);

12-Fiber: 0.567" (14.4 mm);

24-Fiber: 0.68" (17.27 mm);

36-Fiber: N/A

Plenum: 4-Fiber: 0.273" (6.93 mm);

6-Fiber: 0.33" (8.38 mm);

12-Fiber: 0.52" (13.3 mm);

24-Fiber: 0.64" (16.5 mm);

36-Fiber: N/A

Weight — PVC: 2-Fiber: 49 kg/km;

4-Fiber: 60 kg/km;

6-Fiber: 85 kg/km;

8-Fiber: 116 kg/km;

12-Fiber: 192 kg/km;

24-Fiber: 247 kg/km;

36-Fiber: N/A

Plenum: 4-Fiber: 45 kg/km;

6-Fiber: 65 kg/km;

12-Fiber: 186 kg/km;

24-Fiber: 235 kg/km;

36-Fiber: N/A

| Item | Code | Item | Code |
|---|----------------------|---|-----------------|
| Multimode, 62.5-Micron, Breakout-Style Bulk Fiber Optic Cable | | Multimode, 62.5-Micron, Breakout-Style Bulk Fiber Optic Cable | |
| PVC, Riser (OFNR/FT4) | | Plenum (OFNP/FT6) | |
| 2-Fiber Custom Lengths | EXN1002A | 4-Fiber Custom Lengths | EXP1004A |
| 4-Fiber Custom Lengths | EXN1004A | 6-Fiber Custom Lengths | EXP1006A |
| 6-Fiber Custom Lengths | EXN1006A | 12-Fiber Custom Lengths | EXP1012A |
| 8-Fiber Custom Lengths | EXN1008A | 24-Fiber Custom Lengths | EXP1024A |
| 12-Fiber 1000-ft. (304.8-m) | EXN1012A-1000 | 36-Fiber Custom Lengths | EXP1036A |
| Custom Lengths | EXN1012A | | |
| 24-Fiber 500-ft. (152.4-m) | EXN1024A-0500 | | |
| Custom Lengths | EXN1024A | | |
| 36-Fiber Custom Lengths | EXN1036A | | |