

Multicolor Fiber Optic Patch Cables

**Match your company, team,
or school colors or that
special color-coded
networking application.**



FEATURES

- » Choose 62.5-, 50-, and 9-micron cable with 4 different connectors, 12 colors, and 13 lengths.
- » Ideal for color-coded applications.
- » Get high performance at data rates up to 1 Gbps at 850 nm.
- » Higher data aggregation in the backbone, riser, and high-speed parallel interconnects (HSPIs).
- » Full compatibility with the broad range of laser-based and legacy protocols and applications.
- » Industry-leading CPC® coatings for superior microbend and environmental performance.

Match your company, team, or school colors to special networking applications.



SC connector



MT-RJ connector



ST connector



LC connector

OVERVIEW

Matching fiber patch cable to your company, team, or school colors, or that special color-coded networking application is now much easier with Black Box Multicolor Fiber Patch Cables.

Color your world.

These cables come in 12 standard colors that are ideal for color-coding applications, departments, users, security levels, and more from the data center to the desktop. With 12 colors to choose from, you have lots of options. For instance, you can use red to indicate secure lines and blue for unsecure lines. Or use green for finance and white for customer service.

If you want to match a specific Pantone® color, Black Box also provides custom color matching.

Choose the core, connectors, colors, and length you want.

- Core:**
- 62.5-micron multimode
 - 50-micron multimode
 - 9-micron single-mode
- Connectors:**
- ST, SC, LC, and MT-RJ in 10 combinations.
- Colors:**
- 12 colors
- Length:**
- 13 lengths ranging from 1 to 30 meters

Now you can get fiber optic patch cable with lots of custom options but without the hassle of placing a custom order.

Once you've decided what type of cable you want, look at the charts on **page 3** to see how to build your cable part number. It's super easy and super convenient. No need to get a custom quote.

Top quality

You can be assured of high performance at all levels. The cables offer greater distance capabilities at data rates up to 1 Gbps and compliance with a variety of industry standards.

Choose from 12 standard colors!



TECH SPECS

Attenuation —

- 62.5-μm:
- 850 nm: ≤ 2.9 dB/km;
 - 1300 nm: ≤ 0.6 dB/km;
- 50-μm PVC: 850 nm: ≤ 2.4 dB/km;
- 1300 nm: ≤ 0.7 dB/km;
- 9-μm: 1310 nm: 0.33–0.35 dB/km;
- 1383 nm: 0.31–0.35 dB/km;
 - 1550 nm: 0.19–0.20 dB/km;
 - 1625 nm: 0.20–0.23 dB/km

Bandwidth — 62.5-μm:

- Intermediate performance EMB:
- 850 nm: 220 MHz/km;
- Legacy performance EMB:
- 850 nm: 200 MHz/km;
 - 1300 nm: 500 MHz/km;
- 50-μm: Intermediate performance EMB:
- 850 nm: 510 MHz/km;
- Legacy performance EMB:
- 850 nm: 500 MHz/km;
 - 1300 nm: 500 MHz/km

Cladding Diameter — 125 μm

Core Diameter — 62.5 μm, 50 μm, or 9 μm

Operating Temperature —

14 to 158° F (-10 to +70°C);

Optimized Data Rate —

- 62.5-μm:
- 850 nm: 1 Gbps over 300 m;
 - 1300 nm: 1 Gbps over 550 m;
- 50-μm: 1 Gbps over 600 m

Standards — 62.5-μm:

- ISO/IEC 11801: Type OM1 fiber;
 - IEC 60793-2-10: Type A1b fiber;
 - TIA/EIA: 492AAAA-A;
- 50-μm PVC: ISO/IEC 11801:
- Type OM2 fiber;
 - IEC 60793-2-10: Type A1a.1 fiber;
 - TIA/EIA: 492AAAB;
- Single-mode: ITU-T G.652 (Categories A, B, C, D);
- IEC 60793-2-50 Type B1.3;
 - TIA/EIA 492-CAAB;
 - Telecordia GR-20



FOCMR62-001M-STSC-PK



FOCMP62-001M-STLC-GR

How to order these cables:



- 1 FO (constant).
 - 2 Pick your jacket type.
 - 3 Select the appropriate core size.
 - 4 Determine length.
 - 5 M- (constant for meters).
 - 6 Pick your connectors.
 - 7 Decide on the cable color.
- (For the range of choices, see below.)

NOTE: Cables are not returnable.

Item

Code

Multicolor Fiber Optic Patch Cables **See chart below.**
To order, call Customer Service at 724-746-5500.

Buyer's Guide | Multicolor Fiber Optic Patch Cables

1	2	3	4	5	6	7
FO (Constant)	Jacket	Core Size	Length	M- (Constant)	Connectors	Color
FO	CMR = PVC	62 = 62.5 Micron	001 = 1 Meter	M	STST = ST to ST	BL = Blue
	CMP = Plenum	50 = 50 Micron	002 = 2 Meters		SCSC = SC to SC	OR = Orange
		SM = Single-Mode	003 = 3 Meters		LCLC = LC to LC	GN = Green
			004 = 4 Meters		MTMT = MT-RJ to MT-RJ	BR = Brown
			005 = 5 Meters		STSC = ST to SC	GR = Gray
			006 = 6 Meters		STLC = ST to LC	WH = White
			007 = 7 Meters		STMT = ST to MT-RJ	RD = Red
			008 = 8 Meters		SCLC = SC to LC	BK = Black
			010 = 10 Meters		LCMT = LC to MT-RJ	YL = Yellow
			015 = 15 Meters		SCMT = SC to MT-RJ	VT = Violet
			020 = 20 Meters			PK = Pink
			025 = 25 Meters			AQ = Aqua
			030 = 30 Meters			

Examples of fiber optic cable codes:

FOCMR62-001M-STST-BL = Cable with a PVC jacket, 62.5-micron core, 1-meter length, ST-ST connectors in blue.

FOCMP50-008M-STLC-OR = Cable with a plenum jacket, 50-micron core, 8-meter length, ST-LC connectors in orange.

FOCMRSM-030M-SCLC-YL = Cable with a PVC jacket, 9-micron core, 30-meter length, SC-LC connectors in yellow.