

Color-code networks with fiber patch cable in 12 standard colors.



Get fiber patch cable in 12 colors *and* the convenience of standard part numbers.

FEATURES

- » Choose OM1, OM2, OM3, and OM4 multimode and OS2 single-mode cable with 4 different connectors, 12 colors, and 13 lengths.
- » Ideal for color-coded applications.
- » 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.
- » Cables are guaranteed for life.



LC connector



MT-RJ connector



ST connector



SC connector

OVERVIEW

- Color-code fiber networks for different applications, departments, and security levels. Make finance green and sales white. Red cables can indicate connections for secure switches or security equipment.
- With 16,500 standard part numbers, Black Box offers the largest selection of colored fiber patch cable in the industry.

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

- Core:**
- 62.5-micron multimode OM1
 - 50-micron multimode OM2
 - 50-micron multimode, 10-GbE laser-optimized OM3
 - 50-micron multimode, 10-GbE laser-optimized OM4
 - 9-micron single-mode OS2
- Connectors:**
- ST, SC, LC, and MT-RJ in 10 combinations
- Colors:**
- 12 colors
- Length:**
- 13 lengths ranging from 1 to 30 meters

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. No need to get a custom quote. (Note: not all cables are in stock.)

Choose from 12 standard colors.



TECH SPECS

Attenuation —

- 62.5- μ m:
 - 850 nm: ≤ 2.9 dB/km;
 - 1300 nm: ≤ 0.6 dB/km;
- 50- μ m PVC:
 - 850 nm: ≤ 2.6 dB/km;
 - 1300 nm: ≤ 0.6 dB/km;
- 10-GbE 50- μ m OM3 PVC:
 - 850 nm: ≤ 2.3 dB/km;
 - 1300 nm: ≤ 0.6 dB/km;
- 10-GbE 50- μ m OM4:
 - 850 nm: ≤ 2.3 dB/km;
 - 1300 nm: ≤ 0.6 dB/km;
- 9- μ m:
 - 1310 nm: ≤ 0.35 dB/km;
 - 1550 nm: ≤ 0.22 dB/km;

Bandwidth — 62.5- μ m OM1:

- Intermediate performance EMB:
 - 850 nm: 220 MHz/km;
 - Legacy performance EMB:
 - 850 nm: 200 MHz/km;
 - 1300 nm: 500 MHz/km;
- 50- μ m OM2:
 - Intermediate performance EMB:
 - 850 nm: 510 MHz/km;
 - Legacy performance EMB:
 - 850 nm: 500 MHz/km;
 - 1300 nm: 500 MHz/km;
- 10-GbE 50- μ m OM3:
 - EMB:
 - 850 nm: 2000 MHz/km;
 - Legacy performance EMB:
 - 850 nm: 1500 MHz/km;
 - 1300 nm: 500 MHz/km;
- 10-GbE 50- μ m OM4:
 - EMB:
 - 850 nm: 4700 MHz/km;

Cladding Diameter — 125 μ m

Core Diameter — 62.5 μ m, 50 μ m, or 9 μ m

Operating Temperature —

-76 to +185° F (-60 to +85° C);

Optimized Data Rate —

- 62.5- μ m:
 - 850 nm: 1 Gbps over 300 m;
 - 1300 nm: 1 Gbps over 550 m;
- 50- μ m:
 - 1 Gbps over 600 m;
 - 10-GbE 50- μ m: 1 Gbps over 1000 m at 850 nm;
 - 10-Gbps at 300 m at 850 nm;
 - 10-GbE 50- μ m OM4:
 - 10-Gbps at 550 m at 850 nm

Standards — 62.5- μ m:

- ISO/IEC 11801: Type OM1 fiber;
- IEC 60793-2-10: Type A1b fiber;
- TIA 492AAAA-A;
- 50- μ m PVC: ISO/IEC 11801:
 - Type OM2 fiber;
 - IEC 60793-2-10: Type A1a.1 fiber;
 - TIA 492AAAB;
- 10-GbE 50- μ m OM3 PVC:
 - ISO/IEC 11801: Type OM3 fiber;
 - Type A1a.2
 - TIA 492AAAC;
- 10-GbE 50- μ m OM4 PVC:
 - Type OM4 fiber;
 - Type A1a.3;
 - TIA 492AAAD
- Single-mode: ITU-T G.652 (Categories A, B, C, D);
- IEC 60793-2-50;
- TIA/EIA-492CAAA;
- Telecordia GR-20-Core



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 877-877-2269.

Buyer's Guide | Multicolor Fiber Optic Patch Cables

1 (Constant)	2 Jacket	3 Core Size	4 Length*	5 Connectors	6 Color
FO	CMR (PVC)	62- (OM1 62.5 Micron)	001M- (1 Meter)	STST- (ST to ST)	BL (Blue)
	CMP (Plenum)	50- (OM2 50 Micron)	002M- (2 Meters)	SCSC- (SC to SC)	OR (Orange)
		10- (OM3 10-Gigabit Laser-Optimized)	003M- (3 Meters)	LCLC- (LC to LC)	GN (Green)
		M4- (OM4 10-Gigabit Laser-Optimized)	004M- (4 Meters)	MTMT- (MT-RJ to MT-RJ)	BR (Brown)
		SM- (OS2 Single-Mode)	005M- (5 Meters)	STSC- (ST to SC)	GR (Gray)
			006M- (6 Meters)	STLC- (ST to LC)	WH (White)
			007M- (7 Meters)	STMT- (ST to MT-RJ)	RD (Red)
			008M- (8 Meters)	SCLC- (SC to LC)	BK (Black)
			010M- (10 Meters)	LCMT- (LC to MT-RJ)	YL (Yellow)
			015M- (15 Meters)	SCMT- (SC to MT-RJ)	VT (Violet)
			020M- (20 Meters)		PK (Pink)
			025M- (25 Meters)		AQ (Aqua)
			030M- (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.

* NOTE: If you wish to order a cable with a length other than those specified here, such as 12 feet, please call Customer Service at 877-877-2269.