## HOW TO ORDER:

1. **STEP 1** - Select a constant for fiber optic cable.
2. **STEP 2** - Select the type of jacket.
3. **STEP 3** - Select an appropriate core size.
4. **STEP 4** - Determine length.
5. **STEP 5** - Select the connector type.
6. **STEP 6** - Choose your color.

See buyer’s guide below for the range of choices.

### EXAMPLES OF FIBER OPTIC CABLE CODES:

- **FOCMR60-001M-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.

### KEY

- **FO**: CONSTANT
- **CMR**: JACKET
- **50**: CORE SIZE
- **001**: LENGTH
- **M**: CONSTANT
- **STST**: CONNECTORS
- **BL**: COLOR

### TABLE

<table>
<thead>
<tr>
<th>STEP 1 CONSTANT</th>
<th>STEP 2 JACKET</th>
<th>STEP 3 CORE SIZE</th>
<th>*LENGTH</th>
<th>STEP 5 CONNECTORS</th>
<th>STEP 6 COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FO</strong></td>
<td><strong>CMR (PVC)</strong></td>
<td>62 - (62.5 Micron OM2)</td>
<td>001M - (1 Meter)</td>
<td><strong>STST</strong> - (ST to ST)</td>
<td><strong>BL</strong> (Blue)</td>
</tr>
<tr>
<td><strong>CMR (PVC)</strong></td>
<td>50 - (50 Micron OM2)</td>
<td>002M - (2 Meters)</td>
<td><strong>SCSC</strong> - (SC to SC)</td>
<td><strong>OR</strong> (Orange)</td>
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<tr>
<td><strong>CMR (PVC)</strong></td>
<td>10 - (10-Gigabit Laser-Optimized OM3)</td>
<td>003M - (3 Meters)</td>
<td><strong>LCLC</strong> - (LC to LC)</td>
<td><strong>GN</strong> (Green)</td>
<td></td>
</tr>
<tr>
<td><strong>CMR (PVC)</strong></td>
<td>10 - (10-Gigabit Laser-Optimized OM4)</td>
<td>004M - (4 Meters)</td>
<td><strong>MTMT</strong> - (MT-RJ to MT-RJ)</td>
<td><strong>BR</strong> (Brown)</td>
<td></td>
</tr>
<tr>
<td><strong>SM</strong> - (Single-Mode OS2)</td>
<td>005M - (5 Meters)</td>
<td><strong>STSC</strong> - (ST to SC)</td>
<td><strong>GR</strong> (Gray)</td>
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<td></td>
</tr>
<tr>
<td><strong>SM</strong> - (Single-Mode OS2)</td>
<td>006M - (6 Meters)</td>
<td><strong>STLC</strong> - (ST to LC)</td>
<td><strong>WH</strong> (White)</td>
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<tr>
<td><strong>SM</strong> - (Single-Mode OS2)</td>
<td>007M - (7 Meters)</td>
<td><strong>STMT</strong> - (ST to MT-RJ)</td>
<td><strong>RD</strong> (Red)</td>
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<td></td>
</tr>
<tr>
<td><strong>SM</strong> - (Single-Mode OS2)</td>
<td>008M - (8 Meters)</td>
<td><strong>SCLC</strong> - (SC to LC)</td>
<td><strong>BK</strong> (Black)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SM</strong> - (Single-Mode OS2)</td>
<td>010M - (10 Meters)</td>
<td><strong>LCMT</strong> - (LC to MT-RJ)</td>
<td><strong>YL</strong> (Yellow)</td>
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<tr>
<td><strong>SM</strong> - (Single-Mode OS2)</td>
<td>015M - (15 Meters)</td>
<td><strong>SCMT</strong> - (SC to MT-RJ)</td>
<td><strong>VT</strong> (Violet)</td>
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<tr>
<td><strong>SM</strong> - (Single-Mode OS2)</td>
<td>020M - (20 Meters)</td>
<td></td>
<td><strong>PK</strong> (Pink)</td>
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<td></td>
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<tr>
<td><strong>SM</strong> - (Single-Mode OS2)</td>
<td>025M - (25 Meters)</td>
<td></td>
<td><strong>AQ</strong> (Aqua)</td>
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<td></td>
</tr>
<tr>
<td><strong>SM</strong> - (Single-Mode OS2)</td>
<td>030M - (30 Meters)</td>
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</tbody>
</table>

*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 1.877.877.2269*
OVERVIEW
Matching fiber patch cable to your company, department 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, users, security levels and more from the data center to the desktop. With 12 colors to choose from, you have a lot 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.

SELECT CORE, CONNECTORS, COLORS AND LENGTH
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 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 comply with a variety of industry standards.

TECH SPECS
Attenuation —
- 62.5-µm:
  - 850 nm: ≤ 2.9 dB/km;
  - 1300 nm: ≤ 0.6 dB/km;
- 50-µm PVC:
  - 850 nm: ≤ 2.6 dB/km;
  - 1300 nm: ≤ 0.6 dB/km;
- 10-GbE 50-µm OM3 PVC:
  - 850 nm: ≤ 2.3 dB/km;
  - 1300 nm: ≤ 0.6 dB/km;
- 10-GbE 50-µm OM4:
  - 850 nm: ≤ 2.3 dB/km;
  - 1300 nm: ≤ 0.6 dB/km;
- 9-µm:
  - 1310 nm: ≤ 0.35 dB/km;
  - 1550 nm: ≤ 0.22 dB/km;

Bandwidth —
- 62.5-µm OM1:
  - Intermediate performance EMB:
    - 850 nm: 220 MHz/km;
    - 1300 nm: 500 MHz/km;
- Legacy performance EMB:
  - 850 nm: 200 MHz/km;
  - 1300 nm: 500 MHz/km;
- 50-µm OM2:
  - Intermediate performance EMB:
    - 850 nm: 510 MHz/km;
    - 1300 nm: 500 MHz/km;
  - Legacy performance EMB:
    - 850 nm: 500 MHz/km;
    - 1300 nm: 500 MHz/km;
- 10-GbE 50-µm OM3 EMB:
  - 850 nm: 2000 MHz/km;
  - Legacy performance EMB:
    - 850 nm: 1500 MHz/km;
    - 1300 nm: 500 MHz/km;
- 10-GbE 50-µm OM4 EMB:
  - 850 nm: 4700 MHz/km

Cladding Diameter — 125 µm
Core Diameter — 62.5 µm, 50 µm, or 9 µm

Operating Temperature —
- -76 to +185° F (-60 to +85° C)

Optimized Data Rate —
- 62.5-µm:
  - 850 nm: 1 Gbps over 300 m;
  - 1300 nm: 1 Gbps over 550 m;
- 50-µm:
  - 850 nm: 1 Gbps over 600 m;
  - 10-GbE 50-µm:
    - 850 nm: 1 Gbps over 1000 m at 850 nm;
    - 10-GbE at 300 m at 850 nm;
- 10-GbE 50-µm OM4:
  - 10-GbE at 550 m at 850 nm;
- 9-µm OS2:
  - 10 Gbps up to 40 km

Standards — 62.5-µm:
- ISO/IEC 11801: Type OM1 fiber;
- IEC 60793-2-10: Type A1b fiber;
- TIA 492AAAA-A;
- 50-µm PVC:
  - ISO/IEC 11801: Type OM2 fiber;
  - IEC 60793-2-10:
    - Type A1a.1 fiber;
    - TIA/EIA-492AAAB;
  - 10-GbE 50-µm PVC:
    - ISO/IEC 11801:
      - Type OM3 fiber;
      - Type A1a.2;
    - TIA 492AAC;
  - 10-GbE 50-µm OM2:
    - ISO/IEC 11801:
      - 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-492AAA;
  - Telecordia GR-20