

HOW TO ORDER:

STEP 1 - FO CONSTANT FOR FIBRE OPTIC

STEP 2 - Select the Type of Jacket

STEP 3 - Select an Appropriate Core Size

STEP 4 - Determine Length

STEP 5 - Select the Connector Type

STEP 6 - Choose Your Colour

SEE BUYER'S GUIDE BELOW FOR THE RANGE OF CHOICES

MULTICOLOURED FIBRE OPTIC PATCH CABLE

KEY	FO	LZH	50	001	M	STST	BL
	CONSTANT	JACKET	CORE SIZE	LENGTH	CONSTANT	CONNECTORS	COLOUR

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6
CONSTANT	JACKET	CORE SIZE	* LENGTH	CONNECTORS	COLOR
FO	LZH (Low-Smoke)	62 - (62.5 Micron OM1)	001M - (1 Meter)	STST - (ST to ST)	BL (Blue)
		50 - (50 Micron OM2)	002M - (2 Meters)	SCSC - (SC to SC)	OR (Orange)
		10 - (10-Gigabit Laser-Optimised OM3)	003M - (3 Meters)	LCCLC - (LC to LC)	GN (Green)
		M4 - (10-Gigabit Laser-Optimised OM4)	005M - (5 Meters)	STSC - (ST to SC)	BR (Brown)
		SM - (Single-Mode OS2)	010M - (10 Meters)	STLC - (ST to LC)	GR (Gray)
			015M - (15 Meters)	SCLC - (SC to LC)	WH (White)
			020M - (20 Meters)		RD (Red)
			025M - (25 Meters)		BK (Black)
			030M - (30 Meters)		YL (Yellow)
					VT (Violet)
					PK (Pink)
					AQ (Aqua)
EXAMPLES OF FIBRE OPTIC CABLE CODES: FOLZH62-001M-STST-BL: Cable with a LSZH jacket, 62.5-micron core, 1-meter length, ST-ST connectors in blue FOLZHSM-030M-SCLC-YL: Cable with a LSZH 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 7 METERS, PLEASE CALL CUSTOMER SERVICE AT 00800-2255 2269



FEATURES

SELECT FROM OM1, OM2, OM3, OM4 AND OS2
CABLE WITH 3 DIFFERENT CONNECTORS,
12 COLORS AND 9 LENGTHS

IDEAL FOR COLOUR-CODED APPS

HIGHER DATA AGGREGATION IN THE BACKBONE,
RISER AND HIGH-SPEED PARALLEL
INTERCONNECTS (HSPIS)

FULL COMPATIBILITY WITH THE BROAD RANGE
OF LASER-BASED AND LEGACY PROTOCOL AND
APPLICATIONS

INDUSTRY-LEADING CPC®
COATINGS FOR SUPERIOR MICROBEND
AND ENVIRONMENTAL PERFORMANCE

CHOOSE FROM 12 COLORS:
VIOLET, ORANGE, BLUE, BLACK,
GREEN, GREY, BROWN, RED, PINK,
WHITE, AQUA AND YELLOW

LC CONNECTOR



ST CONNECTOR



OVERVIEW

Matching fibre patch cable to your company, department or school colours, or that special colour-coded networking application is now much easier with Black Box Multicolour Fibre Patch Cables.

Colour your world. These cables come in 12 standard colours that are ideal for colour-coding applications, users, security levels and more from the data centre to the desktop. With 12 colours 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, COLOURS AND LENGTH

CORE:

62.5-micron multimode OM1
50-micron multimode OM2
50-micron multimode, 10-GbE laser-optimised OM3
50-micron multimode, 10-GbE laser-optimised OM4
9-micron single-mode OS2

CONNECTORS:

ST, SC and LC in 6 combinations

COLOURS:

12 colours

LENGTH:

9 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- μ m:
850 nm: ≤ 2.9 dB/km;
1300 nm: ≤ 0.6 dB/km;
50- μ m LSZH: 850 nm: ≤ 2.6 dB/km;
1300 nm: ≤ 0.6 dB/km;
10-GbE 50- μ m OM3 LSZH:
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 – -60 to +85° C

Optimised 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;
9- μ m OS2: 10 Gbps up to 40 km

Standards – 62.5- μ m:

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