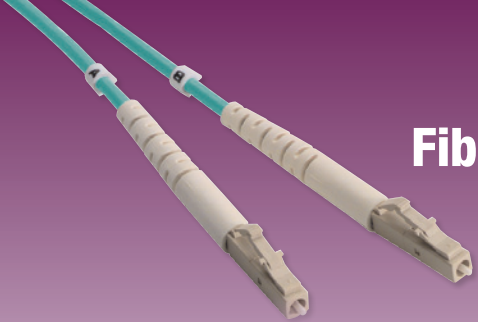


Fiber Optic Tutorial



What are Fiber Optic Cables?

Fiber optic cables consist of a glass core and cladding, buffer coating, Kevlar strength members and a protective outer jacket. Fiber optic cables use light pulses as opposed to electrical signals to send information.

How are Fiber Optic Cables used?

Fiber optic cables can be plugged into communications equipment and patch panels to provide a physical connection to a network or device.

Where are Fiber Optic Cables used?

Fiber optic cables are used by commercial business, governments, the military and many other industries for myriad applications involving the transmission of voice, video and data.

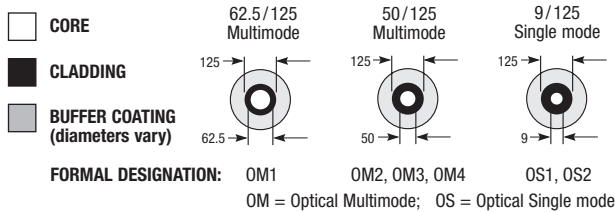
A Quick Lesson In Optical Transmission

Where copper cabling uses electricity to transmit signals from one end to another, fiber optics use light pulses to accomplish the same purpose. The fiber cable is made of a transparent glass core surrounded by a mirror like covering called cladding. Light passes through the cable, bouncing off the cladding until it reaches the other end of the fiber channel.

In today's high speed networks, Graded Index Multimode fiber or Step Index Single mode fiber is used to improve light transmission over long distances. Multimode fiber has a larger core and is typically used in short runs within buildings. Single mode fiber has a smaller core and is used in long distance runs typically outside between buildings.

Fiber Core Sizes

Fiber specifications list the core and cladding diameters as a ratio to determine the fiber type. Multimode fiber is commonly 62.5/125 or 50/125 micron and Single mode fiber is commonly 9/125 micron.



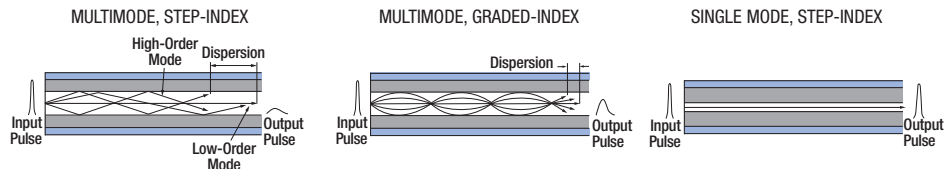
Polish Types/Typical Back Reflection

In Single mode applications the amount of back reflection on assemblies can be critical. L-com offers both PC and APC Single mode assemblies off the shelf. UPC finishes are available by custom order.



Fiber Glass Types

Stepped Index Fiber relies on the reflection of light whereas in Graded Index Fiber, the properties of the glass are changed in layers to "bend" the light as it travels down the cable. This reduces modal dispersion within the cable allowing for higher transmission rates.



	Connector Type	Coupling Type	Fiber Type	Polish	Number Fibers	Typical Applications	Comment
	LC	Snap On RJ45 Style	Single mode/Multimode	PC, UPC, APC	1	Gigabit Ethernet, Video Multimedia	Small Form Factor (SFF)
	MPO (MTP)	Push/Pull	Single mode/Multimode	N/A	6 or 12	Active Device Transceiver, Interconnections for O/E Modules, QSFP Transceivers	One Mating Connector must have Alignment Pins
	SC	Snap On	Single mode/Multimode	PC, UPC, APC	1	CATV, Test Equipment	Keyed
	ST	Twist On	Single mode/Multimode	PC, UPC	1	LANS, Military	Keyed
	FC	Screw On	Single mode/Multimode	PC, UPC, APC	1	Datacom, Telecommunications	Keyed
	MT-RJ	Snap On RJ45 Style	Single mode/Multimode	N/A	2	Gigabit Ethernet, Asynchronous Transmission mode (ATM)	One Mating Connector must have Alignment Pins

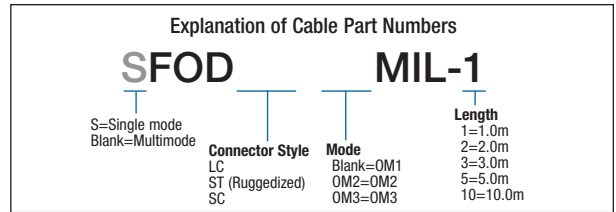
Learn all about fiber connectors

Online Video

L-com.com/Videos/A21

Military Grade Fiber Optic Solutions

L-com's Military Grade fiber optic patch cables are built with specialized Military Tactical cable that features impact and crush resistance characteristics which comply with Military requirements. These robust assemblies are rated for operating temps of -55° to +85° C. They are available in both single mode and multimode options with ST, LC or SC connector options. ST assemblies feature rust resistant stainless steel bodies and extra high force springs to ensure tight mating even when exposed to shock and vibration as often encountered in the field under combat conditions. These cables are perfect for rough field conditions or other outdoor use. Custom lengths can be created with L-com's Custom Cable Configurator at **L-com.com**.



Item #	Description	1-9
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Duplex Military Grade Multimode Cables, OM1 62.5/125, Polyurethane Jacket

Pricing for the OM1 LC, ST and SC connector series is shown below. Pricing for OM2, OM3 or Single mode may be found at **L-com.com**.

FODLCMIL-01	OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 1.0m	49.01
FODLCMIL-02	OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 2.0m	54.71
FODLCMIL-03	OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 3.0m	60.41
FODLCMIL-05	OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 5.0m	71.81
FODLCMIL-10	OM1 Military Grade Fiber Cable, Clipped LC/Clipped LC, TPUR Jacket, 10.0m	100.30
FODSCMIL-01	OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 1.0m	41.24
FODSCMIL-02	OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 2.0m	47.30
FODSCMIL-03	OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 3.0m	52.17
FODSCMIL-05	OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 5.0m	64.30
FODSCMIL-10	OM1 Military Grade Fiber Cable, Clipped SC/Clipped SC, TPUR Jacket, 10.0m	94.61
FODSTMIL-01	OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 1.0m	84.86
FODSTMIL-02	OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 2.0m	90.93
FODSTMIL-03	OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 3.0m	96.99
FODSTMIL-05	OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 5.0m	109.11
FODSTMIL-10	OM1 Military Grade Fiber Cable, Dual ST/Dual ST, TPUR Jacket, 10.0m	139.42

MIL-C-83522 ST Connectors and Dust Caps

L-com's Mil ST line of connectors meet or exceed 100% of the requirements of military specification MIL-C-83522 including extreme temperature change, shock, vibration and corrosion making them ideal for military, aircraft, spacecraft, shipboard and land based applications. These connectors are designed to be used with 2mm cable. For use with 2.5 or 3mm cable, please purchase crimp ferrule CF83522 separately. Locking versions prevent accidental disconnects from high shock or vibration environments.

FOC-M83522-ANXB	MIL M83522 ST Connector, Multimode, Locking, Nickel Plated Brass for 2mm Fiber	30.46
FOC-M83522-ANYB	MIL M83522 ST Connector, Single mode, Locking, Nickel Plated Brass for 2mm Fiber	32.17
FOC-M83522-DNXX	MIL M83522 ST Connector, Multimode, Non-Locking, Nickel Plated Brass for 2mm Fiber	14.61
FOC-M83522-DNYB	MIL M83522 ST Connector, Single mode, Non-Locking, Nickel Plated Brass for 2mm Fiber	14.66
FOC-M83522-DNXXS	MIL M83522 ST Connector, Multimode, Non-Locking, Stainless Steel for 2mm Fiber	22.28
FOC-M83522-DNYXS	MIL M83522 ST Connector, Single mode, Non-Locking, Stainless Steel for 2mm Fiber	22.33
CF83522	MIL M83522 ST Crimp Ferrule Required for use with 2.5 and 3mm Fiber Cable	2.49
DSTCP-RSTN	ST Dust Cap for MIL and Ruggedized COTS Connectors, Nickel Plated Brass with Lanyard	23.42
DSTCP-RSTS	ST Dust Cap for MIL and Ruggedized COTS Connectors, Stainless Steel with Lanyard	26.16

MIL-C-83522 ST Couplers and Dust Caps

These ST couplers are fully qualified to MIL-C-83522 standards ensuring the highest performance for an ST connector. These are designed to work with L-com's FOC-M83522 line of connectors but will also work with standard or COTS ST connectors. Couplers are compatible with both multimode and single mode applications.

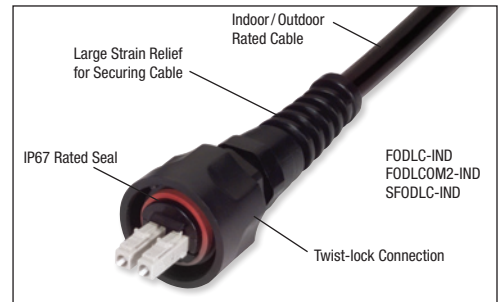
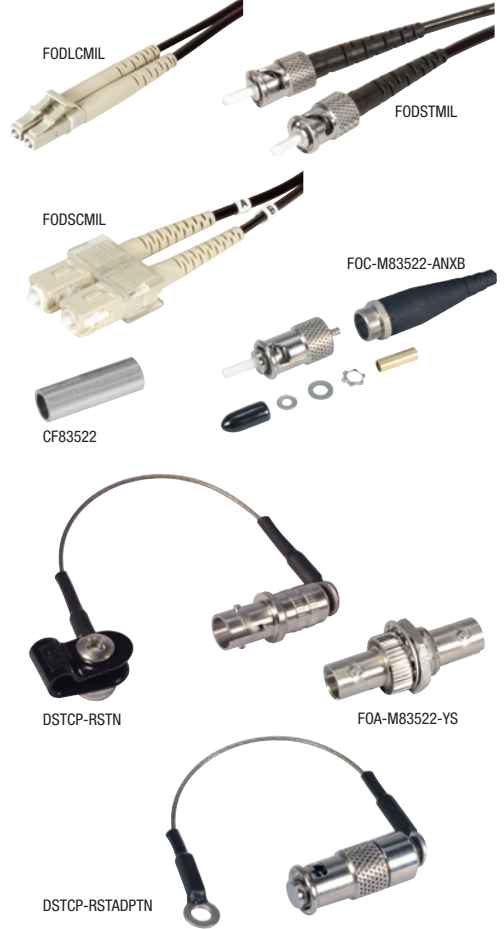
FOA-M83522-YB	MIL M83522 ST Coupler, Multimode and Single mode, Nickel Plated Brass	16.53
FOA-M83522-YS	MIL M83522 ST Coupler, Multimode and Single mode, Stainless Steel	35.70
DSTCP-RSTADPTN	ST Dust Cap for MIL and Ruggedized COTS Couplers, Nickel Plated Brass with Lanyard	19.74
DSTCP-RSTADPTS	ST Dust Cap for MIL and Ruggedized COTS Couplers, Stainless Steel with Lanyard	22.38

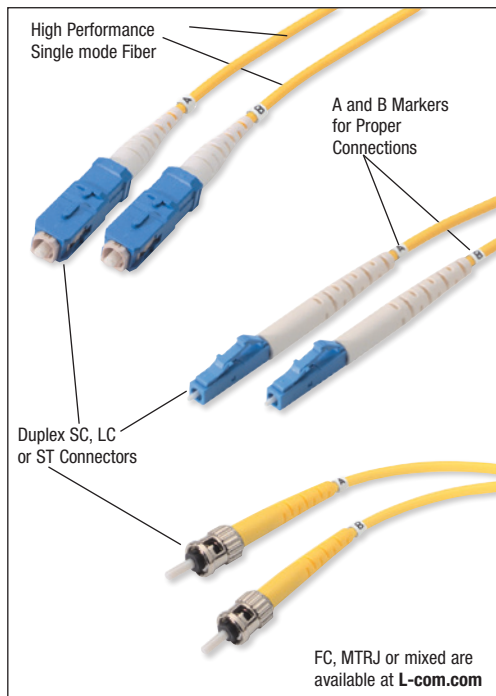
IP67 Harsh Environment Fiber

L-com's IP67 rated Duplex LC cable assemblies are perfect for industrial networks and harsh environments where protection from moisture, dust, chemicals, corrosive gases and other liquids is essential. These rugged assemblies feature robust outdoor rated cable, which stands up to hostile environments, plus IP67 rated LC connectors. Accessories include bulkhead style adapters where one side is designed for standard LC fiber cable connections and the other will accept the industrial LC connector. Additional caps for both the connector and bulkhead adapter are also available. OM3 rated cables are available online or use L-com's Custom Cable Configurator at **L-com.com**.

Item #	Description	1-9
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FODLC-IND-01	OM1 IP67 Fiber Cable, Dual LC / Dual LC, 1.0m	178.42
FODLC-IND-03	OM1 IP67 Fiber Cable, Dual LC / Dual LC, 3.0m	187.13
FODLC-IND-05	OM1 IP67 Fiber Cable, Dual LC / Dual LC, 5.0m	195.83
FODLC-IND-10	OM1 IP67 Fiber Cable, Dual LC / Dual LC, 10.0m	217.59
FODLCOM2-IND-01	OM2 IP67 Fiber Cable, Dual LC / Dual LC, 1.0m	195.83
FODLCOM2-IND-03	OM2 IP67 Fiber Cable, Dual LC / Dual LC, 3.0m	203.08
FODLCOM2-IND-05	OM2 IP67 Fiber Cable, Dual LC / Dual LC, 5.0m	209.30
FODLCOM2-IND-10	OM2 IP67 Fiber Cable, Dual LC / Dual LC, 10.0m	225.88
SFODLC-IND-01	Single mode IP67 Fiber Cable, Dual LC / Dual LC, 1.0m	189.30
SFODLC-IND-03	Single mode IP67 Fiber Cable, Dual LC / Dual LC, 3.0m	197.18
SFODLC-IND-05	Single mode IP67 Fiber Cable, Dual LC / Dual LC, 5.0m	205.26
SFODLC-IND-10	Single mode IP67 Fiber Cable, Dual LC / Dual LC, 10.0m	223.81
FOC-XPLC2-MM	Duplex Multimode LC IP67 Connector	68.18
FOC-XPLC2-SM	Duplex Single mode LC IP67 Connector	86.06
XLC-MM	Multimode IP67 Duplex LC Bulkhead Adapter	46.47
XLC-SM	Single mode IP67 Duplex LC Bulkhead Adapter	56.94
X-CAP	IP67 Duplex LC Cap with Chain for Bulkhead Receptacle	10.31
XPM-CAP2	IP67 Duplex LC Cap with Chain for Industrial Plugs	15.44





9/125 Single mode Duplex Patch Cords

L-com's 9/125 single fiber optic cables are 100% optically tested and utilize a PC polish. Check L-com.com for additional length, color and connector options. All cable measurements are in meters. 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

Item #	Description	1-9
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9/125 Single mode Duplex Fiber Patch Cords

PVC RISER (OFNR) RATED OPTIONS

SFODLC-01	Single mode Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Yellow, 1.0m	32.02
SFODLC-02	Single mode Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Yellow, 2.0m	33.11
SFODLC-03	Single mode Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Yellow, 3.0m	34.19
SFODSC-01	Single mode Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Yellow, 1.0m	20.15
SFODSC-02	Single mode Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Yellow, 2.0m	21.24
SFODSC-03	Single mode Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Yellow, 3.0m	22.33
SFODST-01	Single mode Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Yellow, 1.0m	20.15
SFODST-02	Single mode Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Yellow, 2.0m	21.24
SFODST-03	Single mode Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Yellow, 3.0m	22.33
SFODSC-LC-01	Single mode Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Yellow, 1.0m	32.17
SFODSC-LC-02	Single mode Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Yellow, 2.0m	33.26
SFODSC-LC-03	Single mode Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Yellow, 3.0m	34.40
SFODST-LC-01	Single mode Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Yellow, 1.0m	30.98
SFODST-LC-02	Single mode Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Yellow, 2.0m	32.02
SFODST-LC-03	Single mode Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Yellow, 3.0m	33.11

PLENUM (OFNP) RATED OPTIONS

SFODPLC-01	Single mode Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Yellow, 1.0m	44.35
SFODPLC-02	Single mode Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Yellow, 2.0m	42.48
SFODPLC-03	Single mode Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Yellow, 3.0m	43.52
SFODPSC-01	Single mode Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Yellow, 1.0m	21.76
SFODPSC-02	Single mode Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Yellow, 2.0m	22.85
SFODPSC-03	Single mode Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Yellow, 3.0m	23.94

LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS

SFODZLC-01	Single mode Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Yellow, 1.0m	43.52
SFODZLC-02	Single mode Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Yellow, 2.0m	44.92
SFODZLC-03	Single mode Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Yellow, 3.0m	46.32
SFODZSC-01	Single mode Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Yellow, 1.0m	19.43
SFODZSC-02	Single mode Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Yellow, 2.0m	20.83
SFODZSC-03	Single mode Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Yellow, 3.0m	22.17

9/125 Single mode MPO Fiber Ribbon and Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fan-out assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situation with tight space constraints.

6 or 12 FIBER RIBBON CABLES - MPO to MPO

MPMM6S-25	Single mode 6 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 25.0m	207.76
MPMM6S-50	Single mode 6 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 50.0m	285.58
MPMM6S-100	Single mode 6 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 100.0m	441.68
MPMM12S-25	Single mode 12 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 25.0m	221.90
MPMM12S-50	Single mode 12 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 50.0m	314.38
MPMM12S-100	Single mode 12 Fiber Ribbon, MPO Male/MPO Male, OFNR Jacket, Yellow, 100.0m	498.26
MPFF6S-25	Single mode 6 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 25.0m	202.89
MPFF6S-50	Single mode 6 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 50.0m	280.65
MPFF6S-100	Single mode 6 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 100.0m	436.81
MPFF12S-25	Single mode 12 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 25.0m	217.03
MPFF12S-50	Single mode 12 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 50.0m	308.94
MPFF12S-100	Single mode 12 Fiber Ribbon, MPO Female/MPO Female, OFNR Jacket, Yellow, 100.0m	493.39

6 or 12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT

MPM6S-LC-1	Single mode 6 Fiber Ribbon, MPO Male/6x LC Fanout, OFNR Jacket, Yellow, 1.0m	110.93
MPM6S-LC-5	Single mode 6 Fiber Ribbon, MPO Male/6x LC Fanout, OFNR Jacket, Yellow, 5.0m	124.55
MPM6S-LC-10	Single mode 6 Fiber Ribbon, MPO Male/6x LC Fanout, OFNR Jacket, Yellow, 10.0m	141.39
MPM12S-LC-1	Single mode 12 Fiber Ribbon, MPO Male/12x LC Fanout, OFNR Jacket, Yellow, 1.0m	148.49
MPM12S-LC-5	Single mode 12 Fiber Ribbon, MPO Male/12x LC Fanout, OFNR Jacket, Yellow, 5.0m	164.24
MPM12S-LC-10	Single mode 12 Fiber Ribbon, MPO Male/12x LC Fanout, OFNR Jacket, Yellow, 10.0m	184.39
MPM6S-SC-1	Single mode 6 Fiber Ribbon, MPO Male/6x SC Fanout, OFNR Jacket, Yellow, 1.0m	102.22
MPM6S-SC-5	Single mode 6 Fiber Ribbon, MPO Male/6x SC Fanout, OFNR Jacket, Yellow, 5.0m	115.28
MPM6S-SC-10	Single mode 6 Fiber Ribbon, MPO Male/6x SC Fanout, OFNR Jacket, Yellow, 10.0m	132.69
MPM12S-SC-1	Single mode 12 Fiber Ribbon, MPO Male/12x SC Fanout, OFNR Jacket, Yellow, 1.0m	130.51
MPM12S-SC-5	Single mode 12 Fiber Ribbon, MPO Male/12x SC Fanout, OFNR Jacket, Yellow, 5.0m	146.83
MPM12S-SC-10	Single mode 12 Fiber Ribbon, MPO Male/12x SC Fanout, OFNR Jacket, Yellow, 10.0m	166.41

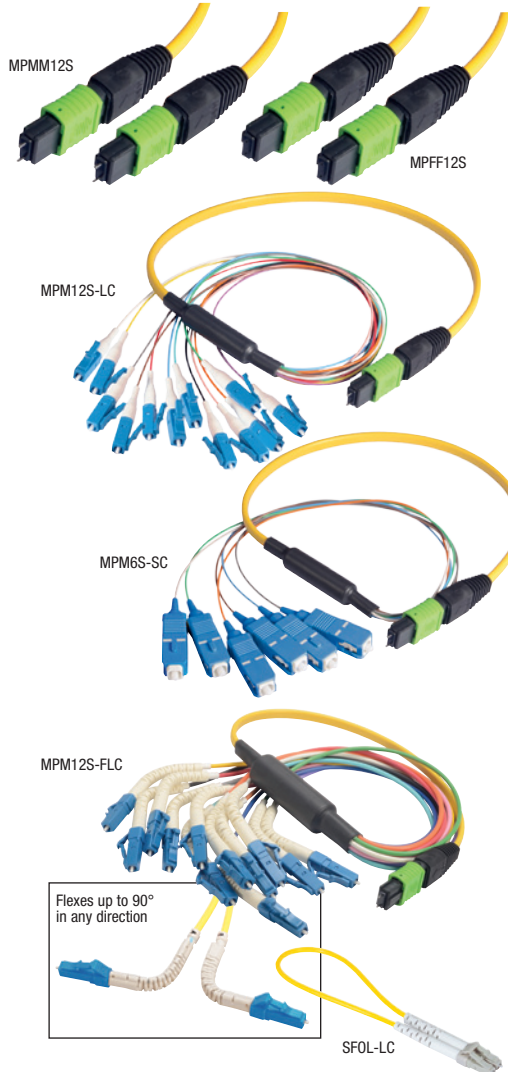
6 or 12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT

MPM6S-FLC-1	Single mode 6 Fiber Ribbon, MPO Male/6x Flex LC Fanout, OFNR Jacket, Yellow, 1.0m	124.24
MPM6S-FLC-5	Single mode 6 Fiber Ribbon, MPO Male/6x Flex LC Fanout, OFNR Jacket, Yellow, 5.0m	139.52
MPM6S-FLC-10	Single mode 6 Fiber Ribbon, MPO Male/6x Flex LC Fanout, OFNR Jacket, Yellow, 10.0m	159.42
MPM12S-FLC-1	Single mode 12 Fiber Ribbon, MPO Male/12x Flex LC Fanout, OFNR Jacket, Yellow, 1.0m	166.31
MPM12S-FLC-5	Single mode 12 Fiber Ribbon, MPO Male/12x Flex LC Fanout, OFNR Jacket, Yellow, 5.0m	183.98
MPM12S-FLC-10	Single mode 12 Fiber Ribbon, MPO Male/12x Flex LC Fanout, OFNR Jacket, Yellow, 10.0m	206.51

9/125 Single mode LC Loopback

L-com's Single mode LC loopback cable is handy for a number of test applications. A generous yet manageable fiber loop virtually eliminates bend loss.

SFOL-LC	Single mode Fiber Loopback, Clipped LC	21.24
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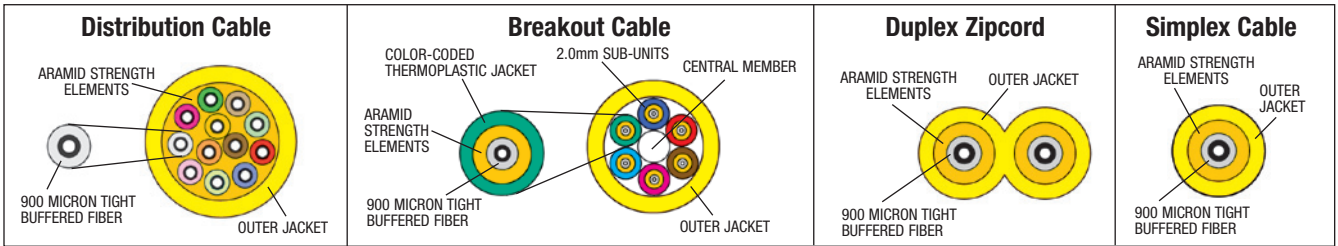
Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. **NOTE:** Bulk cable custom lengths are non-returnable.

How do fiber optics work?

Online Video

L-com.com/videos/A15



Item #	Description	Color	1-9
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9/125 Single mode Bulk Fiber Cable

DISTRIBUTION STYLE WITH 900µm SUB UNITS

FOBSNGD6-M	Single mode 6 Count Indoor / Outdoor OFNP Bulk Fiber Distribution Cable	Yellow	2.69
FOBSNGD12-M	Single mode 12 Count Indoor / Outdoor OFNP Bulk Fiber Distribution Cable	Yellow	7.46
FOBSNGD24-M	Single mode 24 Count Indoor / Outdoor OFNP Bulk Fiber Distribution Cable	Yellow	12.02

BREAKOUT STYLE WITH 2mm SUB UNITS

FOBOS11B2-M	Single mode 2 Count Indoor / Outdoor OFNP Bulk Fiber Breakout Cable	Yellow	5.28
FOBOS11B4-M	Single mode 4 Count Indoor / Outdoor OFNP Bulk Fiber Breakout Cable	Yellow	5.96
FOBOS11B6-M	Single mode 6 Count Indoor / Outdoor OFNP Bulk Fiber Breakout Cable	Yellow	8.19
FOBOS11B12-M	Single mode 12 Count Indoor / Outdoor OFNP Bulk Fiber Breakout Cable	Yellow	13.16

PATCH STYLE SIMPLEX OR DUPLEX (ZIPCORD) WITH 2mm CABLE OD

FOBOS1S-M	Single mode Simplex Indoor OFNR Bulk Fiber Cable	Yellow	1.19
FOBOS1Z-M	Single mode Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable	Yellow	1.87

Item #	Description	Body	Sleeve	1-9
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Fiber Optic Single mode Couplers / Adapters

Multimode Options on pages 211, 214-215

Need to join two single mode cables with the same connector types? Use these fiber optic couplers which utilize precise ceramic sleeves best suited to single mode applications.

LC, SC and ST STYLES (see L-com.com for additional styles and options)

FOA-500A	Simplex LC / LC Coupler Low Profile	Plastic	Ceramic	10.62
FOA-550A	Duplex LC / LC Coupler Low Profile	Plastic	Ceramic	14.71
FOA-801	Duplex LC / LC Coupler with Mounting Flange	Plastic	Ceramic	13.83
FOA-570	Quad LC / LC Coupler with Mounting Flange	Plastic	Ceramic	21.29
FOA-002A	Simplex SC / SC Coupler with Mounting Flange	Plastic	Ceramic	5.29
FOA-002MA	Simplex SC / SC Coupler with Mounting Flange	Metal	Ceramic	8.34
FOA-005A	Duplex SC / SC Coupler with Mounting Flange	Plastic	Ceramic	8.55
FOA-005MA	Duplex SC / SC Coupler with Mounting Flange	Metal	Ceramic	10.88
FOA-001A	Simplex ST / ST Coupler with D Hole Mount	Metal	Ceramic	5.34
FOA-011A	Simplex ST / ST Coupler with Mounting Flange	Metal	Ceramic	5.34
FOA-401A	Duplex ST / ST Coupler with Mounting Flange	Metal	Ceramic	10.67

Need to change from one type of single mode connector to another? Use these fiber optic adapters.

LC, SC and ST STYLES (see L-com.com for additional styles and options)

FOA-014	Simplex LC / SC Adapter Low Profile	Plastic	Ceramic	47.87
FOA-020C	Simplex LC / SC Adapter with Mounting Flange	Plastic	Ceramic	33.16
FOA-006	Duplex SC / ST Adapter with Mounting Flange	Plastic	Ceramic	11.24
FOA-006MA	Duplex ST / SC Adapter with Mounting Flange	Metal	Ceramic	15.49
FOA-211A	Simplex SC / ST Adapter with Rectangular Mount	Metal	Ceramic	10.36

Item #	Description	1-9
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9/125 Single mode Fiber Optic Pigtails - 900µm, 2mm or 3mm OFNR Jackets

L-com's fiber optic pigtails provide a fast way to make factory terminations in the field. They can easily be fusion or mechanically spliced to an existing fiber line. All connectors utilize PC polish and all jackets are Riser (OFNR) rated. See L-com.com for complete listings including additional connectors, modes and 900µm 12 packs which contain one cable of every standard fiber color (such as FPT9SNG-LC-12PK) so you don't have to purchase the different colors individually.

PIGTAIL CABLES - 900µm

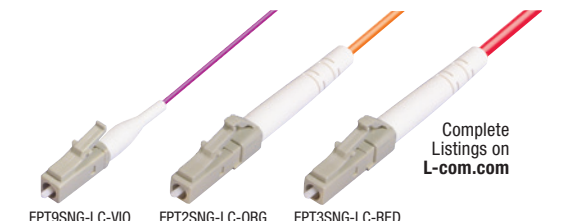
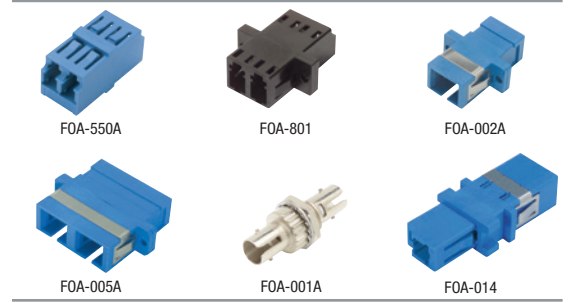
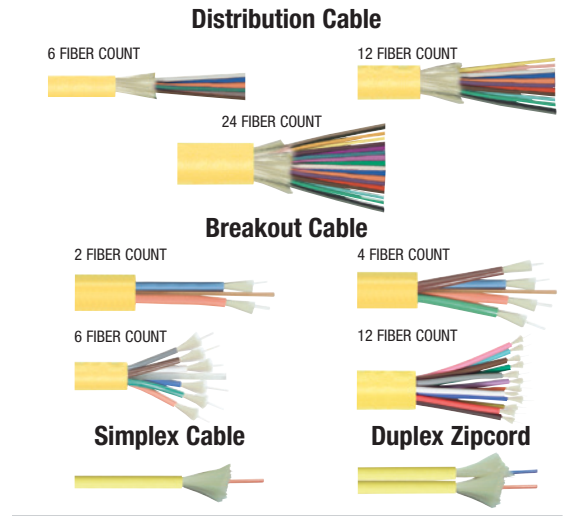
FPT9SNG-LC-_-1	Single mode Fiber Optic Pigtail, OFNR Jacket, 900µm, 1.0m	4.61
FPT9SNG-LC-_-2	Single mode Fiber Optic Pigtail, OFNR Jacket, 900µm, 2.0m	4.97
FPT9SNG-LC-_-3	Single mode Fiber Optic Pigtail, OFNR Jacket, 900µm, 3.0m	5.34

PIGTAIL CABLES - 2mm (Only available in: BLU, BRN, GRN, ORG, RED, WHT or YLW)

FPT2SNG-LC-_-1	Single mode Fiber Optic Pigtail, OFNR Jacket, 2mm, 1.0m	4.61
FPT2SNG-LC-_-2	Single mode Fiber Optic Pigtail, OFNR Jacket, 2mm, 2.0m	4.97
FPT2SNG-LC-_-3	Single mode Fiber Optic Pigtail, OFNR Jacket, 2mm, 3.0m	5.34

PIGTAIL CABLES - 3mm (Only available in: BLU, GRN, ORG, RED or YLW)

FPT3SNG-LC-_-1	Single mode Fiber Optic Pigtail, OFNR Jacket, 3mm, 1.0m	4.61
FPT3SNG-LC-_-2	Single mode Fiber Optic Pigtail, OFNR Jacket, 3mm, 2.0m	4.97
FPT3SNG-LC-_-3	Single mode Fiber Optic Pigtail, OFNR Jacket, 3mm, 3.0m	5.34

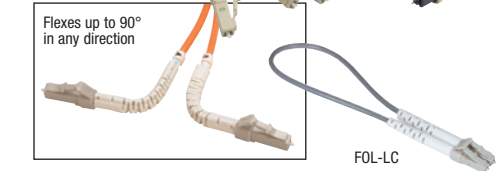
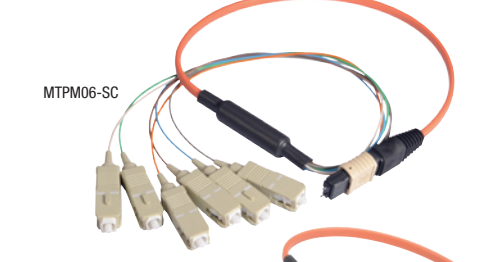
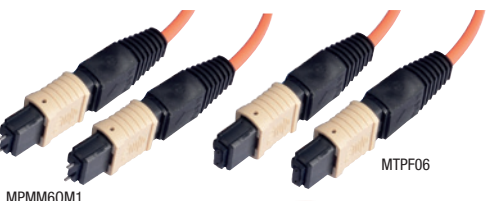
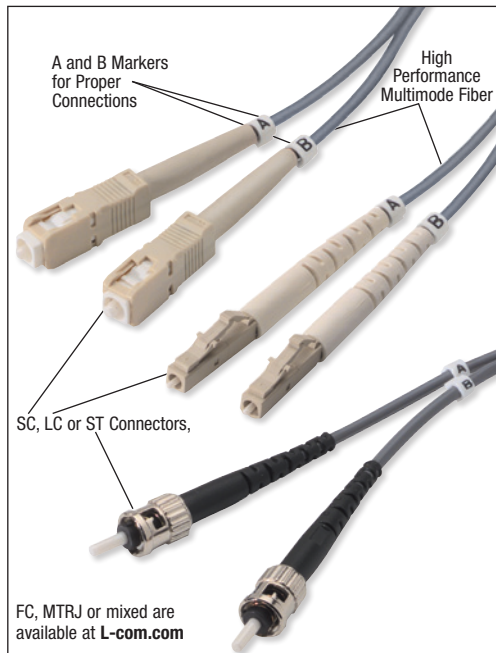


Explanation of FPT Series Part Numbers

FPT9SNG- - -1

- Series:** FPT
- Cable Size:** 9=900µm, 2=2mm, 3=3mm
- Mode:** SNG=9/125, OM1=62.5/125, OM2=50/125, OM3=50/125 10G
- Length:** 1=1.0m, 2=2.0m, 3=3.0m
- Cable Color:** BLK, GRY, YLW, ORG, BLU, GRN, RED, VIO, BRN, AQU, ROS, WHT
- Connector Style:** LC, ST, FC, SC

Complete Listings on L-com.com



OM1 62.5/125 Multimode Duplex Patch Cords

L-com's OM1 62.5/125 fiber optic cables are 100% optically tested and utilize a PC polish. Check L-com.com for additional lengths, colors and connector options. All cable measurements are in meters. 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

Item #	Description	1-9
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OM1 62.5/125 Multimode Fiber Patch Cords

PVC RISER (OFNR) RATED OPTIONS

FODLC-01	OM1 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Gray, 1.0m	18.34
FODLC-02	OM1 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Gray, 2.0m	20.61
FODLC-03	OM1 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Gray, 3.0m	22.68
FODSC-01	OM1 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Gray, 1.0m	17.25
FODSC-02	OM1 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Gray, 2.0m	19.17
FODSC-03	OM1 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Gray, 3.0m	19.95
FODSTC-01	OM1 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Gray, 1.0m	17.25
FODSTC-02	OM1 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Gray, 2.0m	18.60
FODSTC-03	OM1 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Gray, 3.0m	19.95
FODSC-LC-01	OM1 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Gray, 1.0m	23.99
FODSC-LC-02	OM1 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Gray, 2.0m	25.34
FODSC-LC-03	OM1 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Gray, 3.0m	26.68
FODST-LC-01	OM1 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Gray, 1.0m	26.16
FODST-LC-02	OM1 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Gray, 2.0m	27.51
FODST-LC-03	OM1 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Gray, 3.0m	28.86

PLENUM (OFNP) RATED OPTIONS

FODPLC-01	OM1 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Gray, 1.0m	30.98
FODPLC-02	OM1 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Gray, 2.0m	32.02
FODPLC-03	OM1 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Gray, 3.0m	33.11
FODPSC-01	OM1 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Gray, 1.0m	19.58
FODPSC-02	OM1 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Gray, 2.0m	20.67
FODPSC-03	OM1 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Gray, 3.0m	21.76

LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS

FODZLC-01	OM1 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Gray, 1.0m	38.96
FODZLC-02	OM1 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Gray, 2.0m	40.57
FODZLC-03	OM1 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Gray, 3.0m	42.17
FODZSC-01	OM1 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Gray, 1.0m	16.06
FODZSC-02	OM1 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Gray, 2.0m	17.72
FODZSC-03	OM1 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Gray, 3.0m	19.33

OM1 62.5/125 Multimode MPO Fiber Ribbon and Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fan-out assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situations with tight space constraints.

6 or 12 FIBER RIBBON CABLES - MPO to MPO

MPMM60M1-25	OM1 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 25.0m	178.23
MPMM60M1-50	OM1 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 50.0m	285.99
MPMM60M1-100	OM1 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 100.0m	501.57
MPMM120M1-25	OM1 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 25.0m	203.98
MPMM120M1-50	OM1 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 50.0m	324.18
MPMM120M1-100	OM1 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 100.0m	565.20
MTPF06-25	OM1 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 25.0m	176.05
MTPF06-50	OM1 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 50.0m	282.26
MTPF06-100	OM1 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 100.0m	502.66
MTPF12-25	OM1 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 25.0m	196.36
MTPF12-50	OM1 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 50.0m	317.49
MTPF12-100	OM1 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 100.0m	556.02

6 or 12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT

MTPM06-LC-01	OM1 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 1.0m	78.39
MTPM06-LC-05	OM1 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 5.0m	96.00
MTPM06-LC-10	OM1 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 10.0m	120.56
MTPM12-LC-01	OM1 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 1.0m	118.44
MTPM12-LC-05	OM1 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 5.0m	138.70
MTPM12-LC-10	OM1 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 10.0m	166.47
MTPM06-SC-01	OM1 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 1.0m	68.80
MTPM06-SC-05	OM1 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 5.0m	88.54
MTPM06-SC-10	OM1 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 10.0m	120.56
MTPM12-SC-01	OM1 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 1.0m	100.82
MTPM12-SC-05	OM1 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 5.0m	122.69
MTPM12-SC-10	OM1 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 10.0m	150.46

6 or 12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT

MPM60M1-FLC-1	OM1 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 1.0m	87.82
MPM60M1-FLC-5	OM1 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 5.0m	107.56
MPM60M1-FLC-10	OM1 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 10.0m	135.07
MPM120M1-FLC-1	OM1 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 1.0m	132.69
MPM120M1-FLC-5	OM1 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 5.0m	155.38
MPM120M1-FLC-10	OM1 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 10.0m	186.46

OM1 62.5/125 Multimode LC Loopback

L-com's OM1 LC loopback cable is handy for a number of test applications. A generous yet manageable fiber loop virtually eliminates bend loss.

FOL-LC	OM1 Fiber Loopback, Clipped LC	16.27
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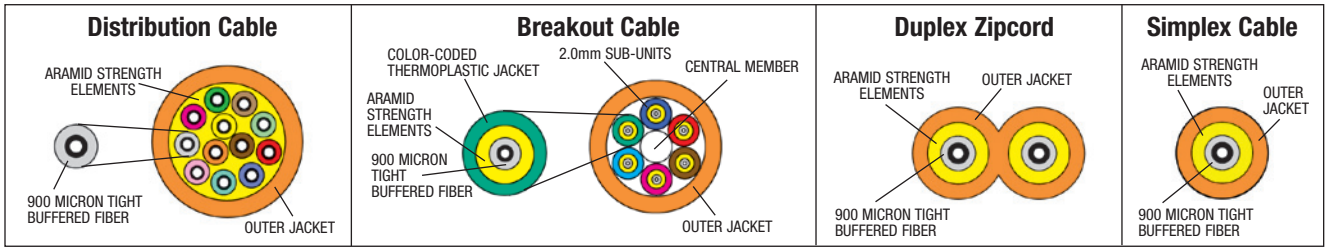
Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. **NOTE:** Bulk cable custom lengths are non-returnable.

What do the numbers mean?

Online Video

L-com.com/videos/A15



Item #	Description	Color	1-9
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OM1 62.5/125 Multimode Bulk Fiber Cable

DISTRIBUTION STYLE WITH 900µm SUB UNITS

FOB625D6-M	OM1 6 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable	Orange	4.25
FOB625D12-M	OM1 12 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable	Orange	6.42
FOB625D24-M	OM1 24 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable	Orange	18.03

BREAKOUT STYLE WITH 2mm SUB UNITS

FOBOM1B2-M	OM1 2 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable	Orange	5.70
FOBOM1B4-M	OM1 4 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable	Orange	6.74
FOBOM1B6-M	OM1 6 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable	Orange	9.43
FOBOM1B12-M	OM1 12 Count Indoor/Outdoor OFNP Bulk Fiber Breakout Cable	Orange	16.58

PATCH STYLE SIMPLEX OR DUPLEX (ZIPCORD) WITH 2mm CABLE OD

FOBOM1S-M	OM1 Simplex Indoor OFNR Bulk Fiber Cable	Orange	1.40
FOBOM1Z-M	OM1 Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable	Orange	2.02

Item #	Description	Body	Sleeve	1-9
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Fiber Optic Multimode Couplers/Adapters

Single mode Options Located on pages 208, 209, 218

Need to join two multimode cables with the same connector types? Use these fiber optic couplers which utilize durable bronze sleeves best suited for multimode applications.

LC, MPO, SC and ST STYLES (see L-com.com for additional styles and options)

FOA-802	Duplex LC Coupler with Mounting Flange	Plastic	Bronze	6.37
FOA-803	Duplex LC Coupler, Low Profile	Plastic	Bronze	4.25
FOA-560	Quad LC Coupler with Mounting Flange	Plastic	Bronze	17.05
FOA-MPO	MPO Coupler	Plastic	N/A	20.62
FOA-MPOF	MPO Coupler with Mounting Flange	Plastic	N/A	20.62
FOA-002	Simplex SC Coupler with Mounting Flange	Plastic	Bronze	4.30
FOA-002M	Simplex SC Coupler with Mounting Flange	Metal	Bronze	5.54
FOA-005	Duplex SC Coupler with Mounting Flange	Plastic	Bronze	5.91
FOA-005M	Duplex SC Coupler with Mounting Flange	Metal	Bronze	8.70
FOA-001	Simplex ST Coupler with D-Hole Mount	Plastic	Bronze	3.21
FOA-011	Simplex ST Coupler with Rectangular Mount	Metal	Bronze	3.21
FOA-401	Duplex ST Coupler with Mounting Flange	Metal	Bronze	5.34

Need to change from one type of multimode connector to another? Use these fiber optic adapters.

LC, SC and ST STYLES (see L-com.com for additional styles and options)

FOA-020C	Simplex LC/SC Adapter with Mounting Flange	Plastic	Bronze	33.16
FOA-211	Simplex ST/SC Adapter with Rectangular Mount	Metal	Bronze	5.44
FOA-201	Simplex ST/SC Adapter with Square Mount	Metal	Bronze	8.70
FOA-006M	Duplex ST/SC Adapter with Mounting Flange	Metal	Bronze	11.24

Item #	Description	1-9
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OM1 62.5/125 Multimode Pigtails - 900µm, 2mm or 3mm OFNR Jackets

L-com's fiber optic pigtails provide a fast way to make factory terminations in the field. They can easily be fusion or mechanically spliced to an existing fiber line. All connectors utilize PC polish and all jackets are Riser (OFNR) rated. See L-com.com for complete listings including additional connectors, modes and 900µm 12 packs which contain one cable of every standard fiber color (such as FPT90M1-LC-12PK) so you don't have to purchase the different colors individually.

PIGTAIL CABLES - 900µm

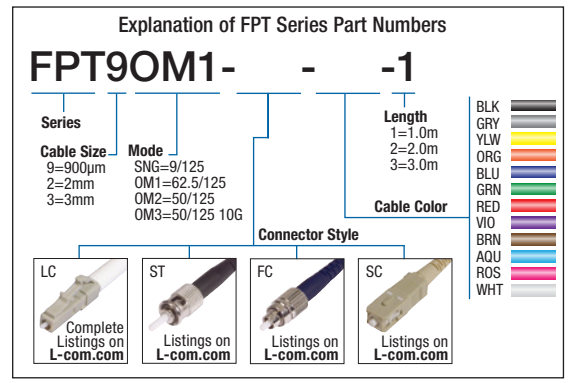
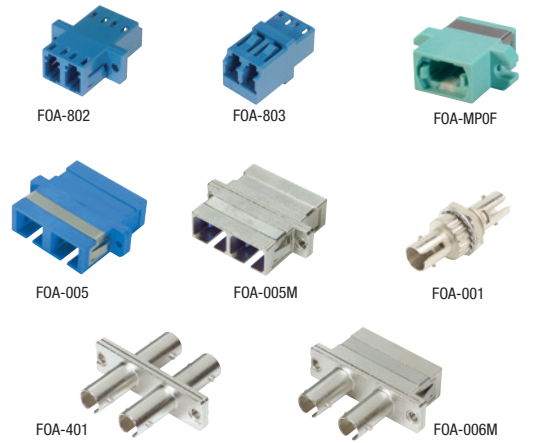
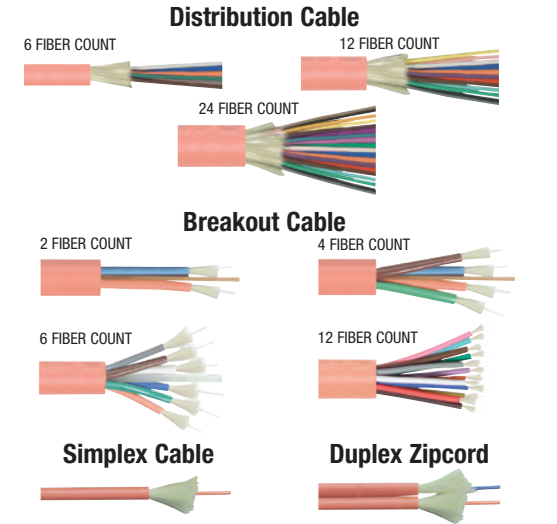
FPT90M1-LC-__1	OM1 Fiber Optic Pigtail, OFNR Jacket, 900µm, 1.0m	4.40
FPT90M1-LC-__2	OM1 Fiber Optic Pigtail, OFNR Jacket, 900µm, 2.0m	4.87
FPT90M1-LC-__3	OM1 Fiber Optic Pigtail, OFNR Jacket, 900µm, 3.0m	5.28

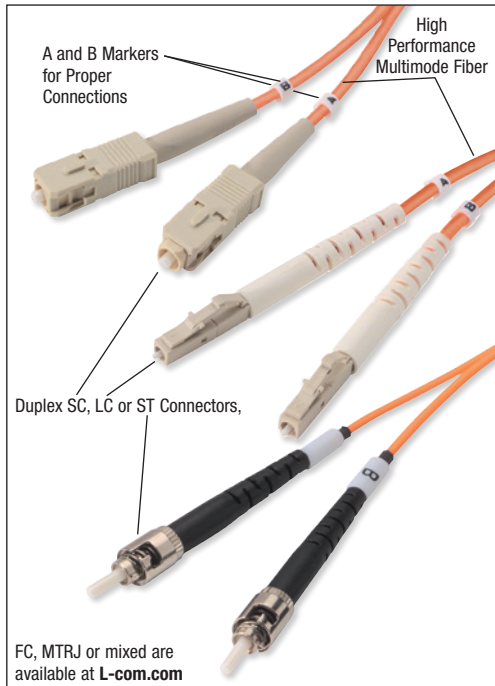
PIGTAIL CABLES - 2mm (Only available in ORG)

FPT20M1-LC-ORG-1	OM1 Fiber Optic Pigtail, OFNR Jacket, 2mm, 1.0m	4.46
FPT20M1-LC-ORG-2	OM1 Fiber Optic Pigtail, OFNR Jacket, 2mm, 2.0m	4.97
FPT20M1-LC-ORG-3	OM1 Fiber Optic Pigtail, OFNR Jacket, 2mm, 3.0m	5.49

PIGTAIL CABLES - 3mm (Only available in: BLU, GRN, ORG, RED or YLW)

FPT30M1-LC-__1	OM1 Fiber Optic Pigtail, OFNR Jacket, 3mm, 1.0m	4.46
FPT30M1-LC-__2	OM1 Fiber Optic Pigtail, OFNR Jacket, 3mm, 2.0m	4.97
FPT30M1-LC-__3	OM1 Fiber Optic Pigtail, OFNR Jacket, 3mm, 3.0m	5.49





OM2 50/125 Multimode Duplex Patch Cords

L-com's OM2 50/125 fiber optic cables are 100% optically tested and utilize a PC polish. Check L-com.com for additional length, color and connector options. All cable measurements are in meters. 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

Item #	Description	1-9
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OM2 50/125 Multimode Duplex Fiber Patch Cords

PVC RISER (OFNR) RATED OPTIONS

FODLC50-01	OM2 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Orange, 1.0m	18.43
FODLC50-02	OM2 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Orange, 2.0m	20.61
FODLC50-03	OM2 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Orange, 3.0m	22.68
FODSC50-01	OM2 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Orange, 1.0m	17.25
FODSC50-02	OM2 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Orange, 2.0m	18.60
FODSC50-03	OM2 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Orange, 3.0m	19.95
FODSTC50-01	OM2 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Orange, 1.0m	17.25
FODSTC50-02	OM2 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Orange, 2.0m	18.60
FODSTC50-03	OM2 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Orange, 3.0m	19.95
FODSC50-LC-01	OM2 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Orange, 1.0m	26.16
FODSC50-LC-02	OM2 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Orange, 2.0m	27.51
FODSC50-LC-03	OM2 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Orange, 3.0m	28.86
FODST50-LC-01	OM2 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Orange, 1.0m	28.29
FODST50-LC-02	OM2 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Orange, 2.0m	29.64
FODST50-LC-03	OM2 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Orange, 3.0m	30.98

PLENUM (OFNP) RATED OPTIONS

FODPLC50-01	OM2 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Orange, 1.0m	31.55
FODPLC50-02	OM2 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Orange, 2.0m	32.64
FODPLC50-03	OM2 Fiber Cable, Dual LC/Dual LC, OFNP Jacket, Orange, 3.0m	32.12
FODPSC50-01	OM2 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Orange, 1.0m	19.58
FODPSC50-02	OM2 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Orange, 2.0m	20.67
FODPSC50-03	OM2 Fiber Cable, Dual SC/Dual SC, OFNP Jacket, Orange, 3.0m	21.76

LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS

FODZLC50-01	OM2 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Orange, 1.0m	39.74
FODZLC50-02	OM2 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Orange, 2.0m	41.34
FODZLC50-03	OM2 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Orange, 3.0m	43.00
FODZSC50-01	OM2 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Orange, 1.0m	16.06
FODZSC50-02	OM2 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Orange, 2.0m	17.72
FODZSC50-03	OM2 Fiber Cable, Dual SC/Dual SC, LSZH Jacket, Orange, 3.0m	19.33

OM2 50/125 Multimode MPO Fiber Ribbon and Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fan-out assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situation with tight space constraints.

6 or 12 FIBER RIBBON CABLES - MPO to MPO

MPMM60M2-25	OM2 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 25.0m	178.23
MPMM60M2-50	OM2 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 50.0m	285.99
MPMM60M2-100	OM2 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 100.0m	501.57
MPMM120M2-25	OM2 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 25.0m	203.98
MPMM120M2-50	OM2 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 50.0m	324.18
MPMM120M2-100	OM2 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Orange, 100.0m	565.20
MPFF60M2-25	OM2 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 25.0m	174.44
MPFF60M2-50	OM2 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 50.0m	282.26
MPFF60M2-100	OM2 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 100.0m	497.84
MPFF120M2-25	OM2 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 25.0m	195.79
MPFF120M2-50	OM2 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 50.0m	314.28
MPFF120M2-100	OM2 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Orange, 100.0m	550.69

6 or 12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT

MPM60M2-LC-1	OM2 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 1.0m	77.87
MPM60M2-LC-5	OM2 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 5.0m	96.00
MPM60M2-LC-10	OM2 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Orange, 10.0m	119.53
MPM120M2-LC-1	OM2 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 1.0m	118.44
MPM120M2-LC-5	OM2 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 5.0m	138.70
MPM120M2-LC-10	OM2 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Orange, 10.0m	164.34
MPM60M2-SC-1	OM2 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 1.0m	68.80
MPM60M2-SC-5	OM2 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 5.0m	87.51
MPM60M2-SC-10	OM2 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Orange, 10.0m	110.98
MPM120M2-SC-1	OM2 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 1.0m	101.34
MPM120M2-SC-5	OM2 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 5.0m	121.65
MPM120M2-SC-10	OM2 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Orange, 10.0m	147.24

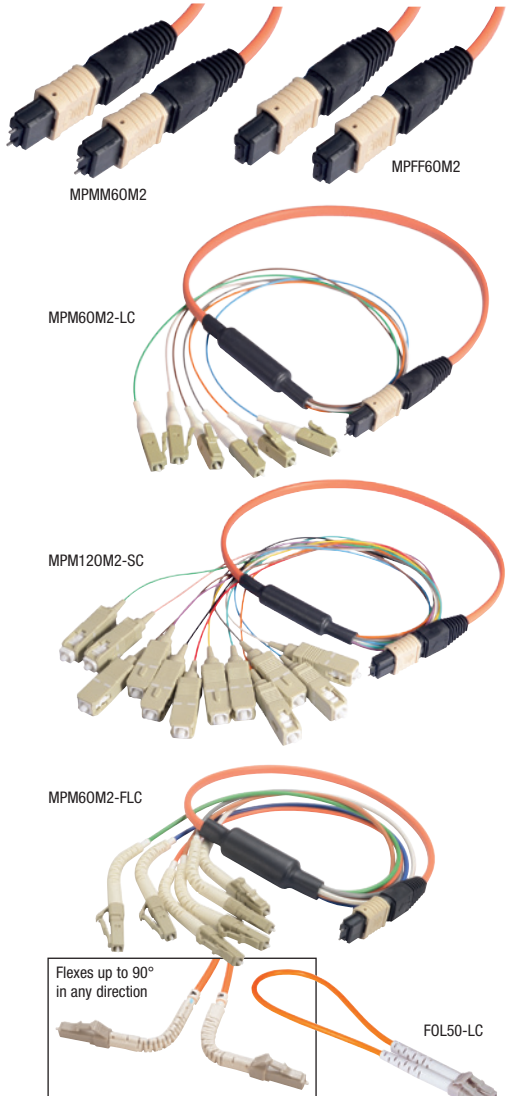
6 or 12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT

MPM60M2-FLC-1	OM2 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 1.0m	87.25
MPM60M2-FLC-5	OM2 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 5.0m	107.56
MPM60M2-FLC-10	OM2 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Orange, 10.0m	133.88
MPM120M2-FLC-1	OM2 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 1.0m	132.69
MPM120M2-FLC-5	OM2 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 5.0m	155.38
MPM120M2-FLC-10	OM2 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Orange, 10.0m	184.08

OM2 50/125 Multimode LC Loopback

L-com's OM2 LC loopback cable is handy for a number of test applications. A generous yet manageable fiber loop virtually eliminates bend loss.

FOL50-LC	OM2 Fiber Loopback, Clipped LC	16.27
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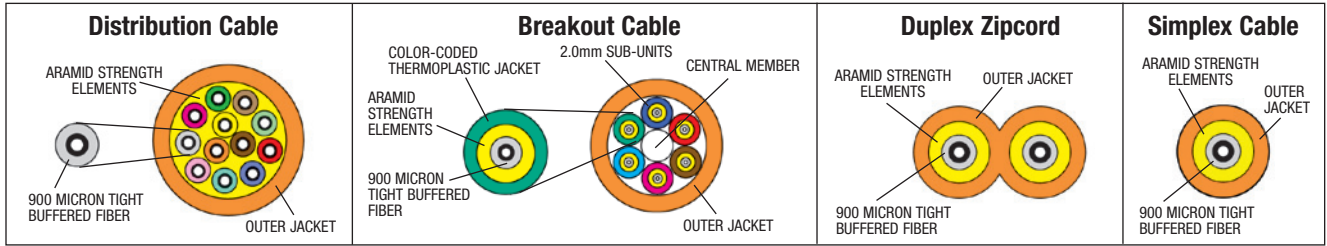
Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. **NOTE:** Bulk cable custom lengths are non-returnable.

Learn about fiber connectors

Online Video

L-com.com/videos/A21



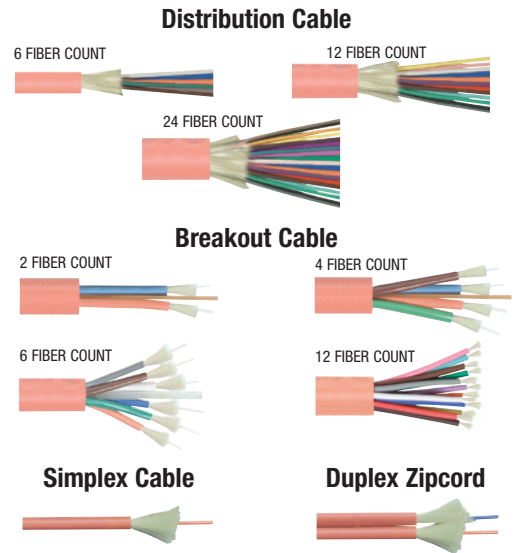
Item #	Description	Color	1-9
OM2 50/125 Multimode Bulk Fiber Cable			
DISTRIBUTION STYLE WITH 900µm SUB UNITS			
FOB500D6-M	OM2 6 Count Indoor /Outdoor OFNP Bulk Fiber Distribution Cable	Orange	4.25
FOB500D12-M	OM2 12 Count Indoor /Outdoor OFNP Bulk Fiber Distribution Cable	Orange	6.42
FOB500D24-M	OM2 24 Count Indoor /Outdoor OFNP Bulk Fiber Distribution Cable	Orange	18.86
BREAKOUT STYLE WITH 2mm SUB UNITS			
FOBOM2IB2-M	OM2 2 Count Indoor /Outdoor OFNP Bulk Fiber Breakout Cable	Orange	5.60
FOBOM2IB4-M	OM2 4 Count Indoor /Outdoor OFNP Bulk Fiber Breakout Cable	Orange	8.13
FOBOM2IB6-M	OM2 6 Count Indoor /Outdoor OFNP Bulk Fiber Breakout Cable	Orange	10.88
FOBOM2IB12-M	OM2 12 Count Indoor /Outdoor OFNP Bulk Fiber Breakout Cable	Orange	17.93
PATCH STYLE SIMPLEX OR DUPLEX (ZIPCORD) WITH 2mm CABLE OD			
FOBOM2S-M	OM2 Simplex Indoor OFNR Bulk Fiber Cable	Orange	1.35
FOBOM2Z-M	OM2 Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable	Orange	2.02

Item #	Description	1-9
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OM2 50/125 Multimode Pigtails - 900µm, 2mm or 3mm OFNR Jackets

L-com's fiber optic pigtails provide a fast way to make factory terminations in the field. They can easily be fusion or mechanically spliced to an existing fiber line. All connectors utilize PC polish and all jackets are Riser (OFNR) rated. See L-com.com for complete listings including additional connectors, modes and 900µm 12 packs which contain one cable of every color (such as FPT90M2-LC-12PK) so you don't have to purchase the different colors individually.

PIGTAIL CABLES - 900µm			
FPT90M2-LC-__1	OM2 Fiber Optic Pigtail, OFNR Jacket, 900µm, 1.0m		4.40
FPT90M2-LC-__2	OM2 Fiber Optic Pigtail, OFNR Jacket, 900µm, 2.0m		4.87
FPT90M2-LC-__3	OM2 Fiber Optic Pigtail, OFNR Jacket, 900µm, 3.0m		5.28
PIGTAIL CABLES - 2mm (Only available in ORG)			
FPT20M2-LC-ORG-1	OM2 Fiber Optic Pigtail, OFNR Jacket, 2mm, 1.0m		4.46
FPT20M2-LC-ORG-2	OM2 Fiber Optic Pigtail, OFNR Jacket, 2mm, 2.0m		4.97
FPT20M2-LC-ORG-3	OM2 Fiber Optic Pigtail, OFNR Jacket, 2mm, 3.0m		5.49
PIGTAIL CABLES - 3mm (Only available in: BLU or ORG)			
FPT30M2-LC-__1	OM2 Fiber Optic Pigtail, OFNR Jacket, 3mm, 1.0m		4.46
FPT30M2-LC-__2	OM2 Fiber Optic Pigtail, OFNR Jacket, 3mm, 2.0m		4.97
FPT30M2-LC-__3	OM2 Fiber Optic Pigtail, OFNR Jacket, 3mm, 3.0m		5.49



Explanation of FPT Series Part Numbers

FPT90M2- - -1

- Series:** FPT
- Cable Size:** 9=900µm, 2=2mm, 3=3mm
- Mode:** SNG=9/125, OM1=62.5/125, OM2=50/125, OM3=50/125 10G
- Length:** 1=1.0m, 2=2.0m, 3=3.0m
- Connector Style:** LC, ST, FC, SC
- Cable Color:** BLK, GRN, YLW, ORG, BLU, GRN, RED, VIO, BRN, AQU, ROS, WHT

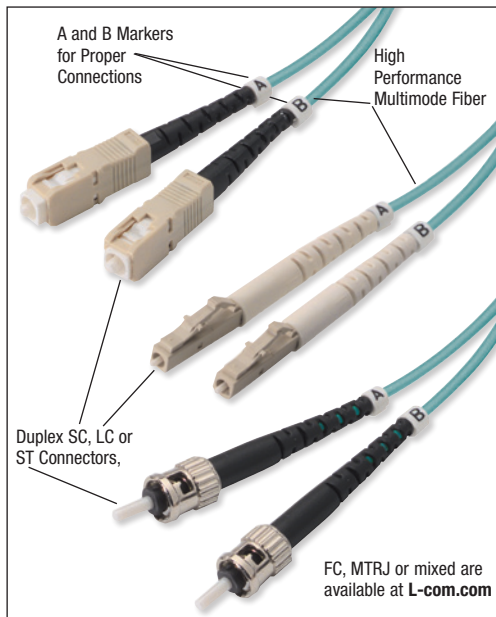
Complete Listings on L-com.com

Tip OM1, OM3, 10 Gig, Multimode, Single mode, Laser Optimized ... What does it all mean?

In today's world of fiber optics many choices are available when choosing fiber optic cable types. Depending on the type of fiber cable and transceiver specification, different distances and speeds are supported per technology (i.e. 100Base FX, 1 Gigabit, 10 Gigabit etc). The size of the fiber core, bandwidth requirements and transceiver wavelengths (i.e. 62.5/125, 850nm) are some of the considerations when designing a network with fiber. The transceiver is the driving force behind a fiber network and its specifications will generally determine what type of fiber cable is required. Always check the manufacturer's transceiver specifications for the equipment you are buying fiber cables for to get the best recommendation about the type of fiber you require.

The chart below outlines some of the common specifications and typical distance/speed limitations for the most popular fiber types.

	Typical Wavelength	1 Gig Typical Distance Limitation	10 Gig Typical Distance Limitation	100 Gig Typical Distance Limitation
OM1, 62.5/125 Multimode	850/1310nm	280m (918ft)	33m (108ft)	n/a
OM2, 50/125 Multimode	850/1310nm	550m (1,804ft)	82m (269ft)	n/a
OM3, 10Gig Rated 50/125 Multimode	850/1310nm	800m (2,624ft)	300m (984ft)	100m (328ft)
OM4, 100Gig Rated 50/125 Multimode	850/1310nm	1040m (3,411ft)	550m (1,804ft)	150m (492ft)
OS1/OS2, 9/125 Single mode	1310/1550nm	100km (62miles)	70km (43.5miles)	40km (25miles)



OM3 10 Gig Rated, Laser Optimized 50/125 Multimode Duplex Patch Cords

L-com's OM3 10 Gig rated 50/125 fiber optic cables are 100% optically tested and utilize a PC polish. Check L-com.com for additional length, color and connector options. All cable measurements are in meters. 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

Item #	Description	1-9
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OM3 10 Gig Rated, Laser Optimized 50/125 Multimode Duplex Fiber Patch Cords

PVC RISER (OFNR) RATED OPTIONS

FODLC-10G-01	OM3 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 1.0m	27.76
FODLC-10G-02	OM3 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 2.0m	28.90
FODLC-10G-03	OM3 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 3.0m	30.04
FODSC-10G-01	OM3 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Aqua, 1.0m	21.55
FODSC-10G-02	OM3 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Aqua, 2.0m	22.64
FODSC-10G-03	OM3 Fiber Cable, Dual SC/Dual SC, OFNR Jacket, Aqua, 3.0m	23.73
FODST-10G-01	OM3 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Aqua, 1.0m	21.55
FODST-10G-02	OM3 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Aqua, 2.0m	22.64
FODST-10G-03	OM3 Fiber Cable, Dual ST/Dual ST, OFNR Jacket, Aqua, 3.0m	23.73
FODSC-LC10G-01	OM3 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Aqua, 1.0m	24.25
FODSC-LC10G-02	OM3 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Aqua, 2.0m	25.34
FODSC-LC10G-03	OM3 Fiber Cable, Dual SC/Dual LC, OFNR Jacket, Aqua, 3.0m	26.42
FODST-LC10G-01	OM3 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Aqua, 1.0m	24.25
FODST-LC10G-02	OM3 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Aqua, 2.0m	25.34
FODST-LC10G-03	OM3 Fiber Cable, Dual ST/Dual LC, OFNR Jacket, Aqua, 3.0m	26.42

LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS

FODZLC-OM3-1	OM3 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 1.0m	29.79
FODZLC-OM3-2	OM3 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 2.0m	30.93
FODZLC-OM3-3	OM3 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 3.0m	32.02

OM3 10 Gig Rated, Laser Optimized 50/125 Multimode MPO Fiber Ribbon & Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fanout assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situation with tight space constraints.

6 or 12 FIBER RIBBON CABLES - MPO to MPO

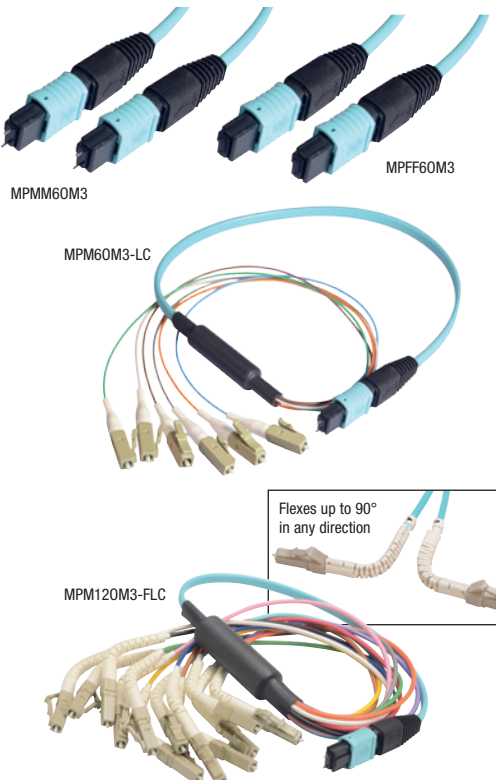
MPMM60M3-25	OM3 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 25.0m	276.41
MPMM60M3-50	OM3 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 50.0m	482.40
MPMM60M3-100	OM3 6 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 100.0m	893.83
MPMM120M3-25	OM3 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 25.0m	324.18
MPMM120M3-50	OM3 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 50.0m	565.20
MPMM120M3-100	OM3 12 Fiber Ribbon Cable, MPO Male/MPO Male, OFNR Jacket, Aqua, 100.0m	1047.18
MPFF60M3-25	OM3 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 25.0m	272.68
MPFF60M3-50	OM3 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 50.0m	478.10
MPFF60M3-100	OM3 6 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 100.0m	889.53
MPFF120M3-25	OM3 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 25.0m	314.28
MPFF120M3-50	OM3 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 50.0m	550.69
MPFF120M3-100	OM3 12 Fiber Ribbon Cable, MPO Female/MPO Female, OFNR Jacket, Aqua, 100.0m	1023.51

6 or 12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT

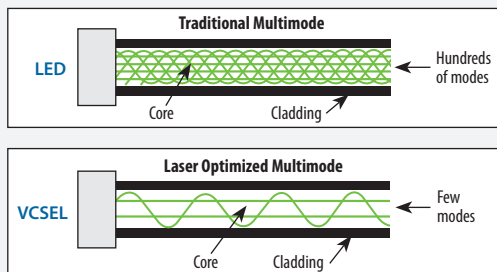
MPM60M3-LC-1	OM3 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Aqua, 1.0m	82.17
MPM60M3-LC-5	OM3 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Aqua, 5.0m	117.35
MPM60M3-LC-10	OM3 6 Fiber Ribbon Cable, MPO Male/6x LC Fanout, OFNR Jacket, Aqua, 10.0m	162.22
MPM120M3-LC-1	OM3 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Aqua, 1.0m	123.77
MPM120M3-LC-5	OM3 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Aqua, 5.0m	164.34
MPM120M3-LC-10	OM3 12 Fiber Ribbon Cable, MPO Male/12x LC Fanout, OFNR Jacket, Aqua, 10.0m	216.10
MPM60M3-SC-1	OM3 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Aqua, 1.0m	73.05
MPM60M3-SC-5	OM3 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Aqua, 5.0m	108.85
MPM60M3-SC-10	OM3 6 Fiber Ribbon Cable, MPO Male/6x SC Fanout, OFNR Jacket, Aqua, 10.0m	153.67
MPM120M3-SC-1	OM3 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Aqua, 1.0m	106.16
MPM120M3-SC-5	OM3 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Aqua, 5.0m	147.24
MPM120M3-SC-10	OM3 12 Fiber Ribbon Cable, MPO Male/12x SC Fanout, OFNR Jacket, Aqua, 10.0m	198.48

6 or 12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT

MPM60M3-FLC-1	OM3 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Aqua, 1.0m	92.07
MPM60M3-FLC-5	OM3 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Aqua, 5.0m	131.44
MPM60M3-FLC-10	OM3 6 Fiber Ribbon Cable, MPO Male/6x Flex LC Fanout, OFNR Jacket, Aqua, 10.0m	181.70
MPM120M3-FLC-1	OM3 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Aqua, 1.0m	138.64
MPM120M3-FLC-5	OM3 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Aqua, 5.0m	184.08
MPM120M3-FLC-10	OM3 12 Fiber Ribbon Cable, MPO Male/12x Flex LC Fanout, OFNR Jacket, Aqua, 10.0m	242.06



Tip Explaining regular and 10 Gig Multimode fiber



OM1 62.5/125 and OM2 50/125 multimode fiber is typically attached to communications equipment that use LED (light-emitting diode) transmitters that output hundreds of modes into the cable.

OM3 and OM4 50/125 10 Gig or higher rated multimode fiber uses VCSEL (vertical cavity surface emitting laser) transmitters that use only a specific set of modes instead of the hundreds of modes of traditional multimode fiber.

When transmitting light through a fiber cable a phenomenon known as Modal Dispersion occurs, causing different modes of light to arrive at the receiving end of the cable at different times. The degree that this happens is determined by the fiber's Refractive Index which is defined during the fiber manufacturing process.

A multimode fiber cable's bandwidth is dictated by the combined performance of all its modes. For a traditional LED driven OM1 or OM2 cable, if several modes fall behind or get ahead, it has little influence or effect on the cable's total bandwidth since it is few modes out of many.

As the need for increased speeds and bandwidth grew, 10 Gig VCSELs were developed. These low cost lasers use only a specific set of modes. Since there are fewer modes, Modal Dispersion can have a great effect on a cable; since there are less modes, it takes fewer getting ahead or falling behind to degrade a fiber cable's performance and bandwidth capacity. 10 Gig and 100 Gig, Laser optimized OM3 and OM4 fibers were developed with enhanced Refractive Indexes specifically to achieve higher speeds over longer distances than traditional multimode cables.

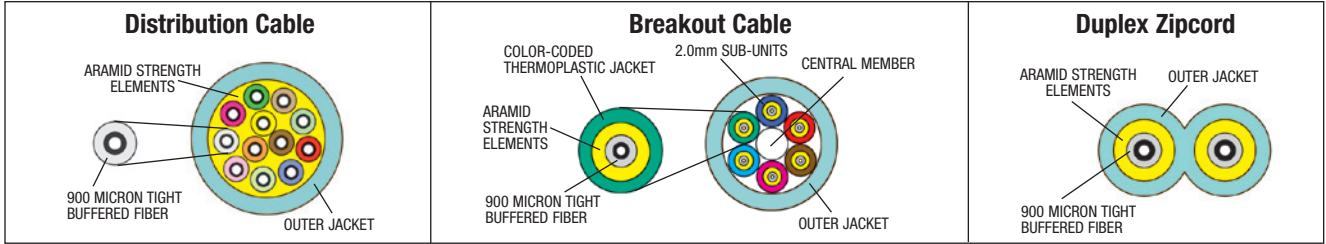
Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. **NOTE:** Bulk cable custom lengths are non-returnable.

How to clean fiber cable

Online Video

L-com.com/videos/A05



Item #	Description	Color	1-9
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OM3 10 Gig Rated, Laser Optimized 50/125 Multimode Bulk Fiber Cable

DISTRIBUTION STYLE WITH 900µm SUB UNITS (50 meter minimum)

FOB501D6-M	OM3 6 Count Indoor /Outdoor OFNP Bulk Fiber Distribution Cable	Aqua	10.10
FOB501D12-M	OM3 12 Count Indoor /Outdoor OFNP Bulk Fiber Distribution Cable	Aqua	16.32
FOB501D24-M	OM3 24 Count Indoor /Outdoor OFNP Bulk Fiber Distribution Cable	Aqua	27.72

BREAKOUT STYLE WITH 2mm SUB UNITS (50 meter minimum)

FOBOM3IB2-M	OM3 2 Count Indoor /Outdoor OFNP Bulk Fiber Breakout Cable	Aqua	7.25
FOBOM3IB4-M	OM3 4 Count Indoor /Outdoor OFNP Bulk Fiber Breakout Cable	Aqua	8.96
FOBOM3IB6-M	OM3 6 Count Indoor /Outdoor OFNP Bulk Fiber Breakout Cable	Aqua	13.00
FOBOM3IB12-M	OM3 12 Count Indoor /Outdoor OFNP Bulk Fiber Breakout Cable	Aqua	22.38

PATCH STYLE DUPLEX (ZIPCORD) WITH 2mm CABLE OD

FOBOM3Z-M	OM3 Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable	Aqua	2.38
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Item #	Description	1-9
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OM3 10 Gig, Laser Optimized 50/125 Pigtails - 900µm or 3mm OFNR Jackets

L-com's fiber optic pigtaills provide a fast way to make factory terminations in the field. They can easily be fusion or mechanically spliced to an existing fiber line. All connectors utilize PC polish and all jackets are Riser (OFNR) rated. See L-com.com for complete listings including additional connectors and modes.

PIGTAIL CABLES - 900µm (Only available in ORG)

FPT90M3-LC-ORG-1	OM3 Fiber Optic Pigtail, OFNR Jacket, 900µm, 1.0m	4.77
FPT90M3-LC-ORG-2	OM3 Fiber Optic Pigtail, OFNR Jacket, 900µm, 2.0m	5.65
FPT90M3-LC-ORG-3	OM3 Fiber Optic Pigtail, OFNR Jacket, 900µm, 3.0m	6.48

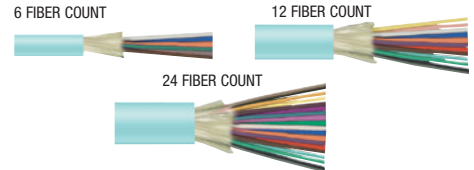
PIGTAIL CABLES - 3mm (Only available in AQU)

FPT30M3-LC-AQU-1	OM3 Fiber Optic Pigtail, OFNR Jacket, 3mm, 1.0m	4.87
FPT30M3-LC-AQU-2	OM3 Fiber Optic Pigtail, OFNR Jacket, 3mm, 2.0m	5.80
FPT30M3-LC-AQU-3	OM3 Fiber Optic Pigtail, OFNR Jacket, 3mm, 3.0m	6.74

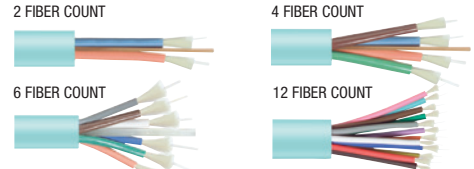


Complete Listings on L-com.com

Distribution Cable



Breakout Cable

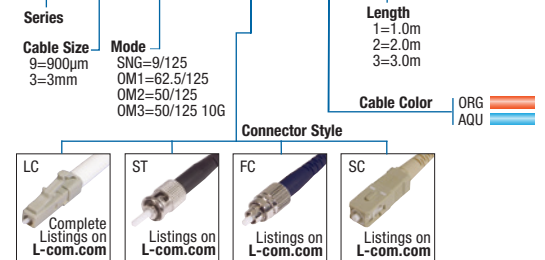


Duplex Zipcord



Explanation of FPT Series Part Numbers

FPT90M3- - -1

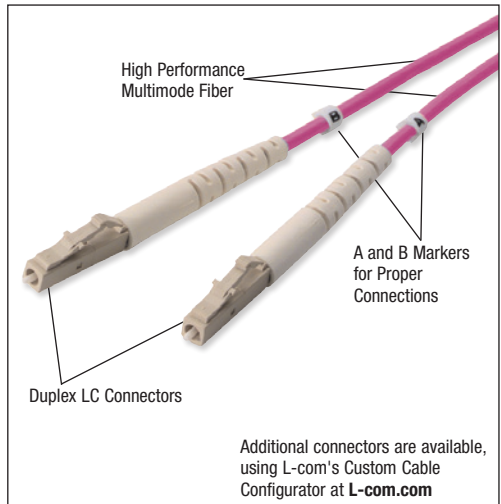


Tip Check out L-com's Custom Cable Configurator

We understand that many applications require specific and precise lengths and connector combinations that off-the-shelf cables often don't address. We created our Custom Cable Configurator to meet this need. Found on L-com.com/productconfigurator, the Custom Cable Configurator will let anyone create a custom cable in just 4 easy steps.

- Step 1:** Go to L-com's Home Page
- Step 2:** Click Technical Resources
- Step 3:** Choose Custom Cable Configurators
- Step 4:** Follow the drop-down menus and make your choices

The Configurator allows you to create a cable in any whole number length in feet, meters or inches (length options may vary by cable type). You can also select your own connector options to choose what you need for each end of the cable. There is no minimum order requirement for fiber or coax cables and many assemblies can be produced in less than one week. Current configurable options include fiber optic, low-loss coaxial, RG style coaxial and modular Ethernet assemblies. Give L-com a call today and one of our trained reps will be happy to walk you through the menus to get you exactly what you are looking for.



OM4 100 Gig Rated, Laser Optimized 50/125 Multimode Duplex Patch Cords
 L-com's OM4 100 Gig rated 50/125 fiber optic cables are 100% optically tested and utilize a PC polish. Check **L-com.com** for more length, color and connector options. Cable measurements are in meters, 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

Item #	Description	1-9
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OM4 100 Gig Rated, Laser Optimized 50/125 Multimode Duplex Fiber Patch Cords

PVC RISER (OFNR) RATED OPTIONS		
FODLC-OM4-1	OM4 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 1.0m	29.73
FODLC-OM4-2	OM4 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 2.0m	31.08
FODLC-OM4-3	OM4 Fiber Cable, Dual LC/Dual LC, OFNR Jacket, Aqua, 3.0m	32.42
LOW SMOKE ZERO HALOGEN (LSZH) OPTIONS		
FODZLC-OM4-1	OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 1.0m	32.28
FODZLC-OM4-2	OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 2.0m	33.62
FODZLC-OM4-3	OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Aqua, 3.0m	34.97
FODZLC-OM4-MAG-1	OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Magenta, 1.0m	32.28
FODZLC-OM4-MAG-2	OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Magenta, 2.0m	33.62
FODZLC-OM4-MAG-3	OM4 Fiber Cable, Dual LC/Dual LC, LSZH Jacket, Magenta, 3.0m	34.97

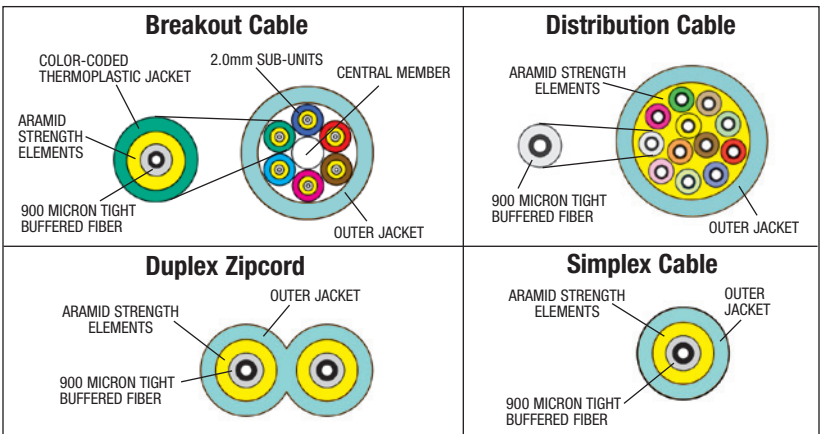
OM4 100 Gig Rated, Laser Optimized 50/125 Multimode MPO Ribbon and Fanout Cables

These multi-fiber MPO assemblies provide significant advantages in size by offering 12 times the density when compared to using separate SC connectors. Fanout assemblies are ideal for making connections within rack or wall mounted fiber enclosures that utilize single fiber connectors and new Flex boot LC connectors are available for applications requiring a 90° bend or other situation with tight space constraints. Please note that OM4 MPO cables are only available with Low Smoke Zero Halogen (LSZH) jackets.

12 FIBER RIBBON CABLES - MPO to MPO		
MPMM120M4-25	OM4 12 Fiber Ribbon Cable, MPO Male/MPO Male, LSZH Jacket, Aqua, 25.0m	446.08
MPMM120M4-50	OM4 12 Fiber Ribbon Cable, MPO Male/MPO Male, LSZH Jacket, Aqua, 50.0m	810.05
MPMM120M4-100	OM4 12 Fiber Ribbon Cable, MPO Male/MPO Male, LSZH Jacket, Aqua, 100.0m	1539.02
MPFF120M4-25	OM4 12 Fiber Ribbon Cable, MPO Female/MPO Female, LSZH Jacket, Aqua, 25.0m	441.84
MPFF120M4-50	OM4 12 Fiber Ribbon Cable, MPO Female/MPO Female, LSZH Jacket, Aqua, 50.0m	806.32
MPFF120M4-100	OM4 12 Fiber Ribbon Cable, MPO Female/MPO Female, LSZH Jacket, Aqua, 100.0m	1534.72
12 FIBER FANOUT CABLES - MPO to LC or SC FANOUT		
MPM120M4-LC-1	OM4 12 Fiber Ribbon Cable, MPO Male/ 12x LC Fanout, LSZH Jacket, Aqua, 1.0m	129.11
MPM120M4-LC-5	OM4 12 Fiber Ribbon Cable, MPO Male/ 12x LC Fanout, LSZH Jacket, Aqua, 5.0m	192.06
MPM120M4-LC-10	OM4 12 Fiber Ribbon Cable, MPO Male/ 12x LC Fanout, LSZH Jacket, Aqua, 10.0m	271.07
MPM120M4-SC-1	OM4 12 Fiber Ribbon Cable, MPO Male/ 12x SC Fanout, LSZH Jacket, Aqua, 1.0m	111.50
MPM120M4-SC-5	OM4 12 Fiber Ribbon Cable, MPO Male/ 12x SC Fanout, LSZH Jacket, Aqua, 5.0m	175.01
MPM120M4-SC-10	OM4 12 Fiber Ribbon Cable, MPO Male/ 12x SC Fanout, LSZH Jacket, Aqua, 10.0m	253.97
12 FIBER FANOUT CABLES - MPO to LC FLEX BOOT FANOUT		
MPM120M4-FLC-1	OM4 12 Fiber Ribbon Cable, MPO Male/ 12x Flex LC Fanout, LSZH Jacket, Aqua, 1.0m	144.60
MPM120M4-FLC-5	OM4 12 Fiber Ribbon Cable, MPO Male/ 12x Flex LC Fanout, LSZH Jacket, Aqua, 5.0m	215.12
MPM120M4-FLC-10	OM4 12 Fiber Ribbon Cable, MPO Male/ 12x Flex LC Fanout, LSZH Jacket, Aqua, 10.0m	303.61

Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

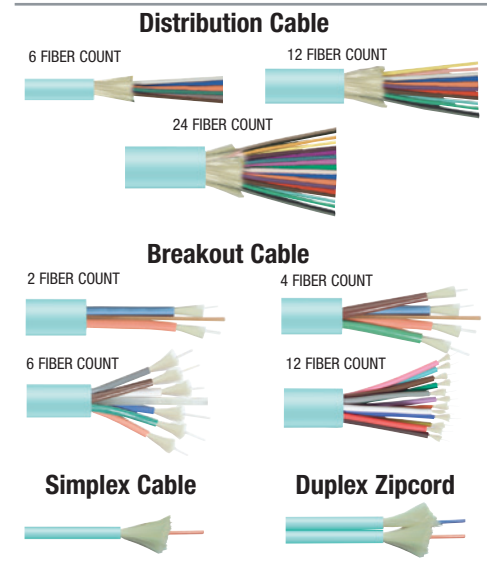
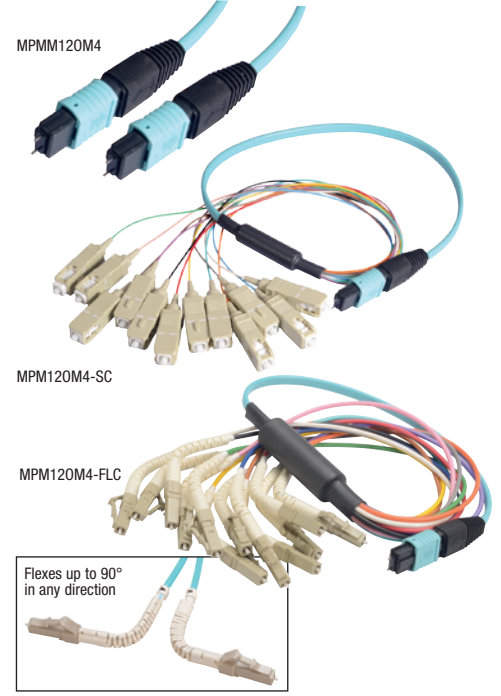
L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. **NOTE:** Bulk cable custom lengths are non-returnable.



Item #	Description	Color	1-9
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OM4 100 Gig Rated, Laser Optimized 50/125 Multimode Bulk Fiber Cable

DISTRIBUTION STYLE WITH 900µm SUB UNITS (153 meter minimum)			
FOBOM4D6-M	OM4 6 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable	Aqua	9.79
FOBOM4D12-M	OM4 12 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable	Aqua	14.45
FOBOM4D24-M	OM4 24 Count Indoor/Outdoor OFNP Bulk Fiber Distribution Cable	Aqua	20.46
BREAKOUT STYLE WITH 2mm SUB UNITS (50 meter minimum)			
FOBOM4IB2-M	OM4 2 Count Indoor/Outdoor 62.5/125 Bulk Breakout Cable	Aqua	8.08
FOBOM4IB4-M	OM4 4 Count Indoor/Outdoor 62.5/125 Bulk Breakout Cable	Aqua	9.93
FOBOM4IB6-M	OM4 6 Count Indoor/Outdoor 62.5/125 Bulk Breakout Cable	Aqua	16.37
FOBOM4IB12-M	OM4 12 Count Indoor/Outdoor 62.5/125 Bulk Breakout Cable	Aqua	23.94
PATCH STYLE SIMPLEX OR DUPLEX (ZIPCORD) WITH 2mm CABLE OD			
FOBOM4S-M	OM4 Simplex Indoor OFNR Bulk Fiber Cable, 2mm OD	Aqua	2.02
FOBOM4Z-M	OM4 Duplex (Zipcord) Indoor OFNR Bulk Fiber Cable, 3mm OD	Aqua	3.00



Colored Fiber Patch Cords

Looking for a duplex fiber assembly in a non-standard color or to differentiate between similar cables of the same mode without hard to read cable labels? You can do that easily with L-com's colored fiber assemblies. Different colored jackets make it a snap to visually identify a cable. All cables have OFNR (Riser) jackets and utilize PC polish connectors. See L-com.com for complete listings and use L-com's custom cable configurator to create your own custom lengths.

Item #	Description	1-9
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9/125 Single mode Colored Duplex Patch Cords

LC configurations shown below; see L-com.com for SC or ST listings

Available in Blue, Green, Orange or Red (see standard offerings for Yellow)

SFODLC-___01	Single mode Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 1.0m	22.90
SFODLC-___03	Single mode Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 3.0m	24.87
SFODLC-___05	Single mode Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 5.0m	26.94
SFODLC-___10	Single mode Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 10.0m	33.73

OM1 62.5/125 Multimode Colored Duplex Patch Cords

LC configurations shown below; see L-com.com for SC or ST listings

Available in Blue, Green, Orange, Red or Yellow (see standard offerings for Gray)

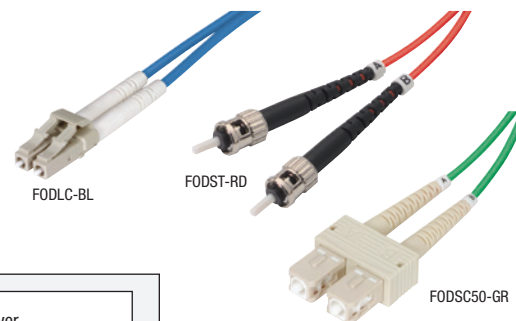
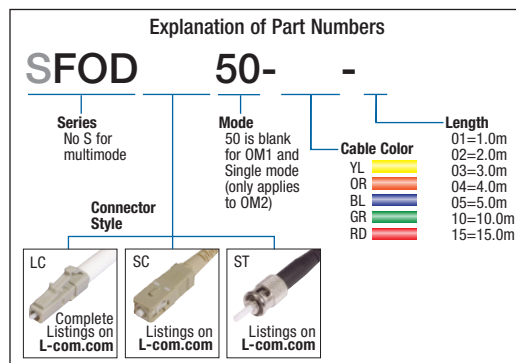
FODLC-___01	OM1 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 1.0m	20.72
FODLC-___03	OM1 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 3.0m	22.80
FODLC-___05	OM1 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 5.0m	24.87
FODLC-___10	OM1 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 10.0m	32.33

OM2 50/125 Multimode Colored Duplex Patch Cords

LC configurations shown below; see L-com.com for SC or ST listings

Available in Blue, Green, Red or Yellow (see standard offerings for Orange)

FODLC50-___01	OM2 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 1.0m	21.55
FODLC50-___03	OM2 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 3.0m	23.73
FODLC50-___05	OM2 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 5.0m	24.87
FODLC50-___10	OM2 Fiber Cable, Clipped LC/Clipped LC, OFNR Colored Jacket, 10.0m	32.33



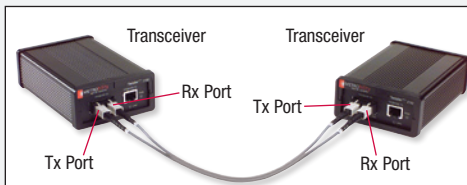
A and B markers explained

Online Video

L-com.com/Videos/A06

A and B markers make the connection

The "A" and "B" markers on duplex fiber jumpers assist in the proper connection between two transceivers. The transmit (Tx) port of one transceiver connects to the Receive (Rx) port of the second transceiver as illustrated at right. It is important to determine how the individual fibers in a duplex assembly are marked (A to A or A to B) to assure proper connections are made between the Tx and Rx ports of the transceivers. L-com's cables are labeled A to B.



Bend Insensitive Fiber Patch Cords with Flex Boot LC or SC Connectors

These Flex Boot assemblies are designed to fit in tight spaces and in applications where a non-standard angle of connection is required. These patch cables are built using Bend-Insensitive fiber and feature OFNR (Riser) jackets along with LC or SC style Flex Boot connectors. These special boots can be bent in any angle up to 90° without exceeding the bend tolerance of the cable. Bend them into the angle that best fits your application. All connectors are PC polish. Please see L-com.com for complete listings and use L-com's custom cable configurator to create your own custom lengths.

Item #	Description	1-9
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9/125 Single mode Flex Boot, Bend-Insensitive Duplex Patch Cords

LC configurations shown below; see L-com.com for SC or LC to SC listings

SFODBIFLC-01	Single mode Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Yellow, 1.0m	78.75
SFODBIFLC-03	Single mode Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Yellow, 3.0m	82.59
SFODBIFLC-05	Single mode Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Yellow, 5.0m	86.52
SFODBIFLC-10	Single mode Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Yellow, 10.0m	104.92

OM2 50/125 Multimode Flex Boot, Bend-Insensitive Duplex Patch Cords

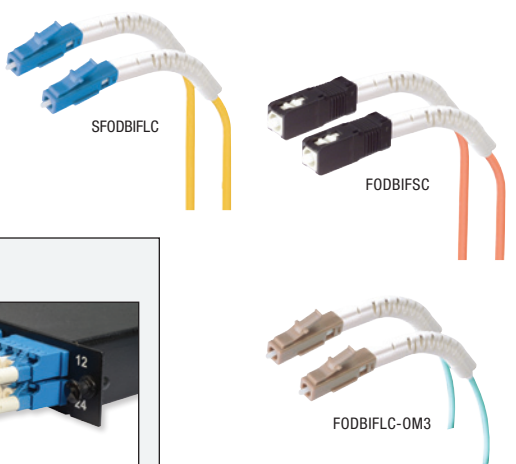
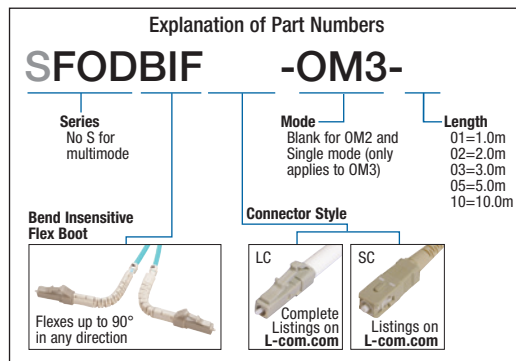
LC configurations shown below; see L-com.com for SC or LC to SC listings

FODBIFLC-01	OM2 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Orange, 1.0m	61.24
FODBIFLC-03	OM2 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Orange, 3.0m	69.17
FODBIFLC-05	OM2 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Orange, 5.0m	77.35
FODBIFLC-10	OM2 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Orange, 10.0m	97.25

OM3 50/125 10 Gig Rated Multimode Flex Boot, Bend-Insensitive Duplex Patch Cords

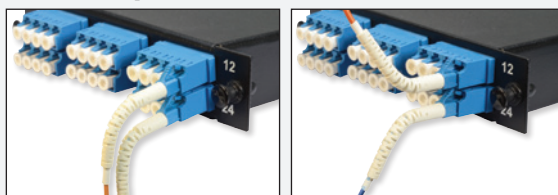
LC configurations shown below; see L-com.com for SC or LC to SC listings

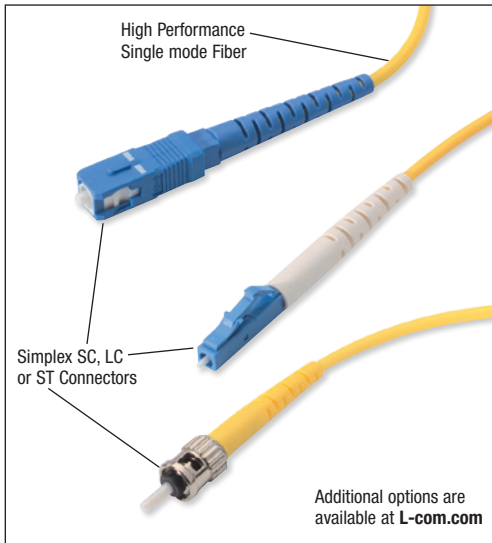
FODBIFLC-OM3-01	OM3 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Aqua, 1.0m	63.05
FODBIFLC-OM3-03	OM3 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Aqua, 3.0m	71.24
FODBIFLC-OM3-05	OM3 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Aqua, 5.0m	79.63
FODBIFLC-OM3-10	OM3 Bend-Insensitive Fiber Cable, Dual Flex LC/Dual Flex LC, OFNR Jacket, Aqua, 10.0m	88.65



Tip L-com's Flex Boot fiber connectors explained

Did you know L-com's Flex Boot fiber connectors can be bent in any direction from 180° to 90° without negatively affecting the performance of the fiber? They are great for connector stacking (shown right), tight spaces and right angles. They are also built using Bend Insensitive cable which has superior bend performance with negligible signal loss, even with a very small bend radius.





9/125 Single mode Simplex Fiber Assemblies

L-com's 9/125 Single mode simplex fiber optic cables are 100% optically tested and utilize a PC polish. Check L-com.com for additional length and connector options. All cable measurements are in meters. 1m=3.28ft. See L-com's Custom Cable Configurator to make your own length variations of existing cables in any whole foot or meter increment.

Item #	Description	1-9
9/125 Single mode Simplex Fiber Patch Cords		
LC, SC and ST configurations shown below; see L-com.com for complete listings.		
SFOLC-01	Single mode Fiber Cable, LC/LC, OFNR Jacket, Yellow, 1.0m	22.43
SFOLC-03	Single mode Fiber Cable, LC/LC, OFNR Jacket, Yellow, 3.0m	23.52
SFOLC-05	Single mode Fiber Cable, LC/LC, OFNR Jacket, Yellow, 5.0m	24.56
SFOSC-01	Single mode Fiber Cable, SC/SC, OFNR Jacket, Yellow, 1.0m	10.88
SFOSC-03	Single mode Fiber Cable, SC/SC, OFNR Jacket, Yellow, 3.0m	11.97
SFOSC-05	Single mode Fiber Cable, SC/SC, OFNR Jacket, Yellow, 5.0m	13.06
SFOST-01	Single mode Fiber Cable, ST/ST, OFNR Jacket, Yellow, 1.0m	10.88
SFOST-03	Single mode Fiber Cable, ST/ST, OFNR Jacket, Yellow, 3.0m	11.97
SFOST-05	Single mode Fiber Cable, ST/ST, OFNR Jacket, Yellow, 5.0m	13.06
SFOSC-LC-01	Single mode Fiber Cable, SC/LC, OFNR Jacket, Yellow, 1.0m	16.01
SFOSC-LC-03	Single mode Fiber Cable, SC/LC, OFNR Jacket, Yellow, 3.0m	17.10
SFOSC-LC-05	Single mode Fiber Cable, SC/LC, OFNR Jacket, Yellow, 5.0m	18.19
SFOST-LC-01	Single mode Fiber Cable, ST/LC, OFNR Jacket, Yellow, 1.0m	16.32
SFOST-LC-03	Single mode Fiber Cable, ST/LC, OFNR Jacket, Yellow, 3.0m	17.41
SFOST-LC-05	Single mode Fiber Cable, ST/LC, OFNR Jacket, Yellow, 5.0m	18.50

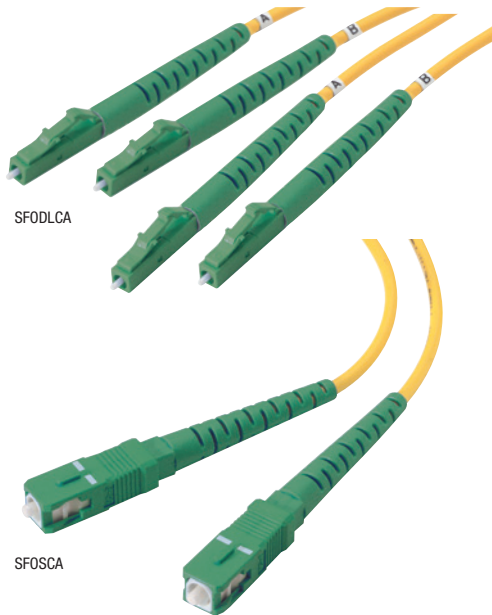
9/125 Single mode APC Fiber Assemblies

Looking for Single mode assemblies with APC (Angled Physical Contact) connectors for the lowest possible back reflection? Check them out here. All APC assemblies utilize OFNR (Riser) jackets. See L-com's Custom Cable Configurator to make your own custom lengths.

9/125 Single mode APC Fiber Patch Cords

LC and ST options shown, see L-com.com for complete listings including FC connector assemblies

SFOLCA-01	Single mode Fiber APC Cable, LC/LC, OFNR Jacket, Yellow, 1.0m	26.68
SFOLCA-03	Single mode Fiber APC Cable, LC/LC, OFNR Jacket, Yellow, 3.0m	27.77
SFOLCA-05	Single mode Fiber APC Cable, LC/LC, OFNR Jacket, Yellow, 5.0m	27.98
SFODLCA-01	Single mode Fiber APC Cable, Dual LC/Dual LC, OFNR Jacket, Yellow, 1.0m	53.31
SFODLCA-03	Single mode Fiber APC Cable, Dual LC/Dual LC, OFNR Jacket, Yellow, 3.0m	55.49
SFODLCA-05	Single mode Fiber APC Cable, Dual LC/Dual LC, OFNR Jacket, Yellow, 5.0m	57.66
SFOSCA-01	Single mode Fiber APC Cable, SC/SC, OFNR Jacket, Yellow, 1.0m	13.06
SFOSCA-03	Single mode Fiber APC Cable, SC/SC, OFNR Jacket, Yellow, 3.0m	14.14
SFOSCA-05	Single mode Fiber APC Cable, SC/SC, OFNR Jacket, Yellow, 5.0m	15.23
SFODSCA-01	Single mode Fiber APC Cable, Dual SC/Dual SC, OFNR Jacket, Yellow, 1.0m	24.97
SFODSCA-03	Single mode Fiber APC Cable, Dual SC/Dual SC, OFNR Jacket, Yellow, 3.0m	27.20
SFODSCA-05	Single mode Fiber APC Cable, Dual SC/Dual SC, OFNR Jacket, Yellow, 5.0m	28.86



9/125 Single mode APC Couplers

In order to achieve low back reflection values, some fiber assemblies utilize a connector with an APC (Angled Physical Contact) connector. These APC connectors require special couplers that have tight tolerance alignment slots to assure proper orientation of the mated APC connectors. These APC couplers are specifically designed for this application.

Item #	Description	Body	Sleeve	1-9
9/125 Single mode APC Couplers				
FOA-804	Simplex LC/LC APC Coupler Low Profile	Plastic	Ceramic	14.92
FOA-805	Duplex LC/LC APC Coupler Low Profile	Plastic	Ceramic	15.96
FOA-017	Simplex SC/SC APC Coupler with Mounting Flange	Plastic	Ceramic	10.67
FOA-018	Duplex SC/SC APC Coupler with Mounting Flange	Plastic	Ceramic	19.79
FOA-019	Simplex FC/FC APC Coupler with D-Hole Mount	Metal	Ceramic	16.01

MTRJ to MTRJ Fiber Optic Coupler

Use of this coupler requires one of the two mating MTRJ connectors to contain alignment pins.

FOA-600	MTRJ Coupler with Mounting Flange	Plastic	None	4.35
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Assorted FC Couplers/Adapters Not Shown Elsewhere

FOA-003	Simplex FC Fiber Coupler with Square Mount	Metal	Bronze	7.10
FOA-003A	Simplex FC Fiber Coupler with Square Mount	Metal	Ceramic	10.36
FOA-013	Simplex FC Fiber Coupler with Rectangular Mount	Metal	Bronze	7.10
FOA-013A	Simplex FC Fiber Coupler with Rectangular Mount	Metal	Ceramic	10.36
FOA-033	Simplex FC Fiber Coupler with D-Hole Mount	Metal	Bronze	6.94
FOA-033A	Simplex FC Fiber Coupler with D-Hole Mount	Metal	Ceramic	10.15
FOA-301	Simplex ST-FC Fiber Adapter with Square Mount	Metal	Bronze	10.10
FOA-311	Simplex ST-FC Fiber Adapter with Rectangular Mount	Metal	Bronze	3.83
FOA-311A	Simplex ST-FC Fiber Adapter with Rectangular Mount	Metal	Ceramic	11.45
FOA-302	Simplex SC-FC Fiber Adapter with Square Mount	Metal	Bronze	10.10

Fiber Optic Bulkhead Coupler Kit - Great for Tool Kits

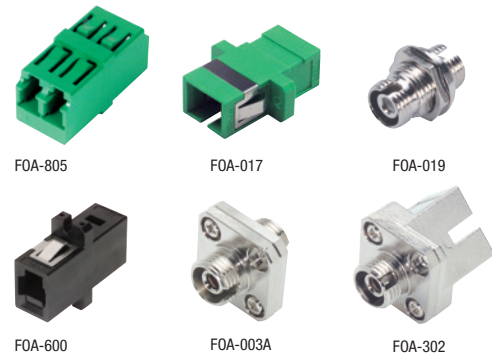
The FOA-123 Fiber Optic Bulkhead Coupler Kit comes complete with two ST-ST (FOA-001), two SC-SC (FOA-002), one FC-FC (FOA-003) and a handy four compartment carrying case. All couplers are bulkhead mountable.

FOA-123	Fiber Optic Bulkhead Coupler Kit			21.35
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Fiber Optic Coupler/Adapter Kit - Complete Flexibility

This is the most complete kit of fiber adapters and couplers we offer, allowing connections between nearly all like interfaces and adapting from one style interface to another including LC-LC (FOA-500A), MPO-MPO (FOA-MPOFB), ST-ST (FOA-001), SC-SC (FOA-002), ST-SC (FOA-201), FC-FC (FOA-003), ST-FC (FOA-301), SC-FC (FOA-302), MTRJ-MTRJ (FOA-600), SMA-SMA (FOA-004), and MU-MU (FOA-701).

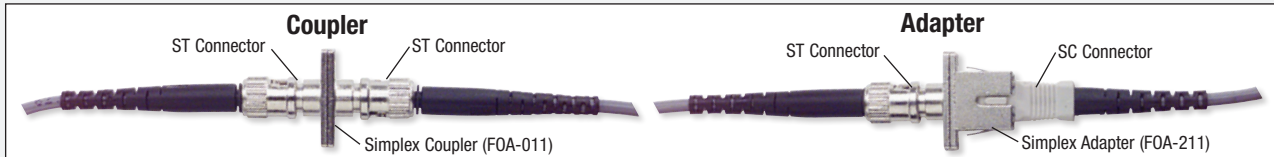
FOA-321	Fiber Optic Coupler/Adapter Kit			95.02
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Fiber Optic Couplers and Adapters

These devices are used to join together individual connectorized fiber assemblies. They are often used in a patch panel and are mounted on sub-panels. If the two fiber assemblies to be connected have the same style fiber connectors (ST to ST, SC to SC, etc.) then the connecting device is called a coupler. If the two fiber assemblies to be connected have different style connectors (ST to LC, SC to LC) then the connecting device is called an adapter.

SC to SC, etc.) then the connecting device is called a coupler. If the two fiber assemblies to be connected have different style connectors (ST to LC, SC to LC) then the connecting device is called an adapter.



Fiber Optic Coupler / Adapter Selection Matrix

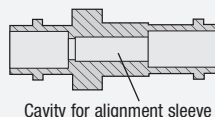
Use this matrix to locate the fiber optic coupler or adapter with the desired interface combination and with the appropriate body and alignment sleeve material.

If a specific type is not listed, please visit our web site at L-com.com for the latest information or call our technical support group at 800-343-1455 for assistance.

BODY MATERIAL		SIMPLEX						DUPLX				QUAD	
		METAL	METAL	METAL	PLASTIC	PLASTIC	PLASTIC	METAL	METAL	PLASTIC	PLASTIC	PLASTIC	PLASTIC
ALIGNMENT SLEEVE MATERIAL		BRONZE	CERAMIC	NONE	BRONZE	CERAMIC	NONE	BRONZE	CERAMIC	BRONZE	CERAMIC	BRONZE	CERAMIC
COUPLERS	ST to ST	FOA-001 FOA-011	FOA-001A FOA-011A					FOA-401	FOA-401A				
	SC to SC	FOA-002M	FOA-002MA		FOA-002	FOA-002A FOA-017 (APC)		FOA-005M	FOA-005MA	FOA-005	FOA-005A FOA-018 (APC)		
	FC to FC	FOA-003 FOA-013 FOA-033	FOA-003A FOA-013A FOA-033A FOA-019 (APC)										
	SMA906 to SMA906			FOA-004									
	LC to LC					FOA-500A FOA-804 (APC)				FOA-802 FOA-803	FOA-550A FOA-805 (APC) FOA-801	FOA-560	FOA-570
MT-RJ to MT-RJ						FOA-600							
MPO to MPO						FOA-MPO FOA-MPOF							
ADAPTERS	ST to SC	FOA-201 FOA-211	FOA-211A					FOA-006M	FOA-006MA		FOA-006		
	ST to FC	FOA-301 FOA-311	FOA-311A										
	SC to FC	FOA-302											
	SC to LC				FOA-020C	FOA-014							

Tip What are alignment sleeves?

The alignment sleeve is the most critical component of a fiber optic adapter. Bronze sleeves are more durable but the precision is not as good as ceramic. Ceramic ferrules offer a more precise alignment, but they are somewhat less durable. Bronze alignment sleeves are commonly used in multimode applications where precision alignment is not as critical.



CERAMIC



- Better alignment
- More expensive
- Typically single mode

BRONZE



- Better durability
- Less expensive
- Typically multimode

Item #	Description	1-9
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LC and SC Fiber Connector Field Termination Kit

The XPFIT-Kit connector installation kit contains everything needed to install LC or SC XPFIT connectors onto standard 900µm cable. Kit includes a fiber stripper for 250µm or 125µm fiber, a thermal buffer removal tool, replacement blades, a precision cleaver, lint free dry wipes, a fiber optic cleaning pen, Kevlar scissors, a fiber disposal unit, a fine permanent marker pen, a light source fiber checker, a 2.5mm to 1.25mm adapter and a soft carrying case to hold it all. No epoxy, polishing film or other consumables are required and there is no need for electrical power, allowing installers to get in and out of installation sites quickly and efficiently. Connectors can be terminated in less than 2 minutes.

XPFIT-KIT	Fiber Optic LC/SC Field Termination Kit	1326.28
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LC and SC Field Terminable Fiber Connectors

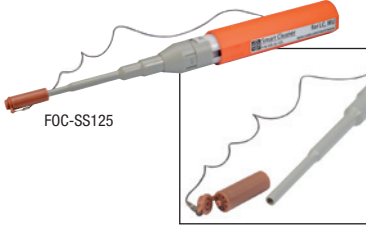
XPFIT Plus LC and SC connectors are pre-polished, pre-assembled connectors that can be terminated reliably in the field with little equipment or expertise. Each connector contains index matching gel and utilizes an internal mechanical grip to gently but effectively hold the fiber in place for installation, eliminating the need for costly splicing equipment or curing ovens. Plugs exceed TIA/EIA-568-B.3 standards. Each 12 pack of connectors comes with an assembling jig and fiber holder for 900µm tight buffered fiber as well as boots for each connector. Used with the XPFIT-KIT (sold separately), fiber termination in the field is easy and painless. See L-com.com for full installation instructions.

FOC-XPFC-LC-MMBG	LC Connector for XPFIT-KIT, 62.5/125, OM1, Beige, Pkg/12	181.28
FOC-XPFC-LC-MMBK	LC Connector for XPFIT-KIT, 50/125, OM2, Black, Pkg/12	181.28
FOC-XPFC-LC-MMAQ	LC Connector for XPFIT-KIT, 50/125, OM3 10Gig, Aqua, Pkg/12	181.28
FOC-XPFC-LC-SMBL	LC Connector for XPFIT-KIT, 9/125 Single mode, Blue, Pkg/12	204.60
FOC-XPFC-SC-MMBG	SC Connector for XPFIT-KIT, 62.5/125, OM1, Beige, Pkg/12	182.32
FOC-XPFC-SC-MMBK	SC Connector for XPFIT-KIT, 50/125, OM2, Black, Pkg/12	182.32
FOC-XPFC-SC-MMAQ	SC Connector for XPFIT-KIT, 50/125, OM3 10Gig, Aqua, Pkg/12	182.32
FOC-XPFC-SC-SMBL	SC Connector for XPFIT-KIT, 9/125 Single mode, Blue, Pkg/12	202.01





FOC-SS250



FOC-SS125



FOC-SS-MPO



FOC-CA



FOC-KN



FOC-AP



FOC-EYE

How to clean fiber cable

Online Video

L-com.com/videos/A05



F01

F01REF

Tip Avoid the number one cause of fiber optic network failure

In fiber optic networks, the number one cause of network failure is not cable breakage, it's actually dirty or damaged connectors.

In a fiber optic coupling, connectors are in physical contact with each other. Picture a small rock placed between two pieces of glass and then pressed together. This is similar to what a particle of dust is in relation to the glass fiber. Note that a typical fiber's glass core is 1/10 to 1/2 the diameter of a human hair so a little dust can go a long way towards obstructing an optical signal. At right are images of common problems found on connectors installed in the field.

Connectors need to be cleaned before any connection is made. If the cable is disconnected, it needs to be cleaned again. This is a simple process especially with the Senko SMART Cleaners. Just insert the cleaner into the port and then use the same cleaner on the cable connector.



Note: One of the dust particles is larger than the fiber in the center of the connector. This dust, if it covered the fiber, would completely block the light from passing through.



Item #	Description	List Price
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Fiber Optic Cleaner for SC, FC, and ST Connectors

The Senko Fiber Optic Cleaner for SC, FC and ST simplex connections is a dry cloth cleaner specially designed to clean single fiber connectors. The dust cap of the cleaner acts as an adapter for cleaning unmated connectors. The FOC-SS250 Fiber Optic Cleaner is simple, easy to use and highly effective at removing oil and dust contaminants that can inhibit optical performance. Cleaner gets more than 750 cleanings per unit.

FOC-SS250	Fiber Optic Cleaner for SC, FC and ST Connectors	74.66
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Fiber Optic Cleaner for LC and MU Connectors

Working with LC connectors often means technicians are faced with a high density of the connectors, making it difficult to get in between to service and clean them. Using Senko's Fiber Optic Cleaner specifically made to be used with LC connectors is the perfect solution with its thin, extendable shaft that can easily get into hard to reach areas. Cleaner gets more than 750 cleanings per unit.

FOC-SS125	Fiber Optic Cleaner for LC and MU Connectors	74.66
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Fiber Optic Cleaner for MPO Connectors

MPO has become a popular interface in data centers due to its high density of connections in a very small form factor. This makes it extra important to keep your MPO cables and ports clean for the best performance of your network. This easy to use cleaner will remove dirt, oil and debris from MPO connectors and ports. Its extended shaft makes it easy to get into hard to reach places without having to un-mate nearby connectors. The cleaner is disposable and gets over 600 cleanings per unit.

FOC-SS-MPO	Fiber Optic Cleaner for MPO Connectors	82.95
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Fiber Optic Consumables - Commonly Used Fiber Optic Cleaning Components

Cleaning fiber optic connections is crucial for proper optical transmission. Compressed air is great for cleaning couplers and connector ends. Kimwipes are lint free tissues, commonly used for cleaning glass surfaces.

FOC-CA	Compressed Air, 12 oz. Can	10.83
FOC-KN	4.5" x 8.5" (11.4cm x 21.6cm) Box Kimwipes, 280 Count	5.65
FOC-AP	Pre-moistened Alcohol Pads, 20 Count	10.62

Fiber Optic Pulling Eye for Duplex Cable Assemblies

A pulling eye is used to protect the terminated end of fiber cable assemblies when pulling through walls or ceilings. 16" long x 0.75" (40.6 x 1.9 cm) diameter plastic tube fits most cables with two connectors.

FOC-EYE	Dual Fiber Pulling Eye	30.72
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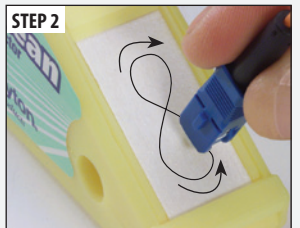
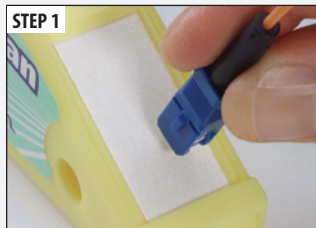
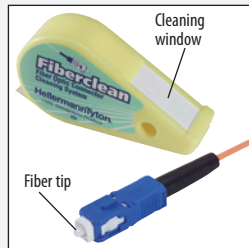
Hellermann-Tyton Fiberclean - Fiber Optic Connector Cleaning System

This is a convenient, economical and easy to use cleaning dispenser system for your fiber optic connectors. This hand held device exposes a portion of "ultra white", non-woven, lint free material sufficient to clean up to six connectors. Used cleaning material is dispensed out of the back of the unit. Up to 400 connectors can be cleaned with a single dispenser.

F01	Fiberclean Dispenser with Cleaning Film	21.24
F01REF	Fiberclean Cleaning Film Refills	16.53

Keep fiber cables clean to maintain performance

It is critically important for fiber optic connectors to be free of dust and dirt to maintain optimum performance. A simple and effective way to do this is to clean the ends of your fiber optic cables often when they are disconnected, as illustrated.



Softly press fiber tip in cleaning window using a figure 8 motion. Repeat 3 times, inspecting fiber tip for cleanliness.

Tip Fiber enclosures secure sub-panels and cables

STEP 1



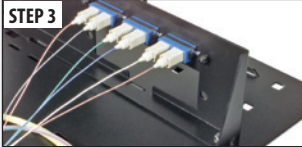
Install snap-in sub-panel with couplers.

STEP 2



Prepare distribution cable for installation on rear of panel by sliding tray out of case, either from the front or rear.

STEP 3



Attach feed cables to couplers on rear of panel.

STEP 4



Route and attach patching jumpers to couplers on front of panel.

STEP 5



Slide tray back into case.

STEP 6



Close cover on unit.



FE-RM1U12PSP



FE-WM24PP



FE-ST7MC

FE-STMAB

Item #	Description	List Price
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19 Inch (48.3cm) Rack Mounted Fiber Enclosures - For Splice Trays and Fiber Patch Panels

FE-RM1U12PSP	Fiber Enclosure Rack Mount, 1U, with 3 FSP Series Sub-Panel Openings	207.19
FE-RM2U24PSP	Fiber Enclosure Rack Mount, 2U, with 4 FSP Series Sub-Panel Openings	233.09
FE-RM3U48PSP	Fiber Enclosure Rack Mount, 3U, with 8 FSP Series Sub-Panel Openings	269.36
FE-RM4U72PSP	Fiber Enclosure Rack Mount, 4U, with 12 FSP Series Sub-Panel Openings	279.72

Wall Mounted Fiber Enclosures - To Mount Splice Trays and Fiber Patch Panels

FE-WM12PP	Fiber Enclosure Wall Mount, with 2 FSP Series Sub-Panel Openings	93.21
FE-WM24PP	Fiber Enclosure Wall Mount, with 4 FSP Series Sub-Panel Openings	97.35

Splice Trays for Fiber Splices - Terminations and Distribution in Fiber Enclosures

FE-ST7MC	Fiber Enclosure Splice Tray, 7 in (17.8 cm) with Metal Cover	20.67
FE-ST7PC	Fiber Enclosure Splice Tray, 7 in (17.8 cm) with Lexan® Cover	18.60
FE-ST875MC	Fiber Enclosure Splice Tray, 8.75 in (22.2 cm) with Metal Cover	23.78
FE-ST875PC	Fiber Enclosure Splice Tray, 8.75 in (22.2 cm) with Lexan® Cover	20.67

Splice Tray Mounting Assembly Bracket with Accessories

FE-STMAB	Splice Tray Mounting Assembly Bracket with Accessories	15.54
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Sub-Panels for FSP Series Patch Panels, FE & FSP DIN Rail Mount Enclosures

FSP-BNK	Blank Sub-Panel	14.46
FSP-SCMTLC-BNK	Blank Sub-Panel with 6 SC Simplex/MT-RJ/LC Duplex Openings	14.46
FSP-SC-APC	Fiber Sub-Panel, 6 APC SC Simplex Couplers, Ceramic Sleeve	82.84
FSP-LCD6-BR	Fiber Sub-Panel, 6 LC Duplex Couplers, Bronze Sleeve	45.54
FSP-LCD6-CR	Fiber Sub-Panel, 6 LC Duplex Couplers, Ceramic Sleeve	60.05
FSP-SC-BR	Fiber Sub-Panel, 6 SC Simplex Couplers, Bronze Sleeve	41.40
FSP-SC-CR	Fiber Sub-Panel, 6 SC Simplex Couplers, Ceramic Sleeve	51.76
FSP-STFC-BNK	Blank Sub-Panel with 6 ST/FC Simplex Openings	14.46
FSP-ST-BR	Fiber Sub-Panel, 6 ST Couplers, Bronze Sleeve	38.29
FSP-ST-CR	Fiber Sub-Panel, 6 ST Couplers, Ceramic Sleeve	54.87
FSP-SCDLCQ6-BNK	Blank Sub-Panel with 6 SC Duplex/LC Quad Openings	17.56
FSP-LCD6-10G	Fiber Sub-Panel, 6 LC Duplex 10G Couplers, Bronze Sleeve	48.65
FSP-LCQ6-BR	Fiber Sub-Panel, 6 LC Duplex Couplers, Bronze Sleeve	126.36
FSP-LCQ6-CR	Fiber Sub-Panel, 6 LC Duplex Couplers, Ceramic Sleeve	154.34
FSP-SCD6-APC	Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve	143.98
FSP-SCD6-BR	Fiber Sub-Panel, 6 SC Duplex Couplers, Bronze Sleeve	54.87
FSP-SCD6-CR	Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve	72.48
FSP-ECF-BNK	Blank Sub-Panel with 3 ECF Style Openings	14.46
FSP-05D-BNK	Blank Sub-Panel with (4) 0.5" (1.3cm) D-Hole Openings	14.46

Plunger and Grommet Kit for FSP Series Sub-Panels - Pkg/50

FSP-FASTENERS	Plunger and Grommet Kit for FSP Series Sub-Panels, Pkg/50	30.00
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Item #	Description	Color	List Price
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MPO Cassettes for FSP Series Patch Panels, FE and FSP DIN Rail Mount Enclosures

Used for connecting MPO trunk cables and splitting them out to various patch cables.

FSP-MPO-SC12-0M2	MPO Cassette 1-MPO-M/12 SC OM2	Beige	310.81
FSP-MPO-LC24-0M3	MPO Cassette 2-MPO-M/24 LC OM3	Aqua	585.40
FSP-MPO-LC24-0S1	MPO Cassette 2-MPO-M/24 LC Single mode	Blue	600.94

Fiber Sub-Panels



FSP-BNK



FSP-SC-BR
FSP-SC-CR



FSP-SCD6-BR
FSP-SCD6-CR



FSP-SCD6-APC



FSP-LCQ6-BR
FSP-LCQ6-CR



FSP-LCD6-CR



FSP-ECF-BNK



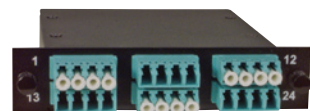
FSP-05D-BNK



FSP-FASTENERS
Pkg/50



FSP-MPO-SC12-0M2



FSP-MPO-LC24-0M3