



A Furukawa Company

LC, SC, FC & ST2 Jumpers - OFS' Jumper Family

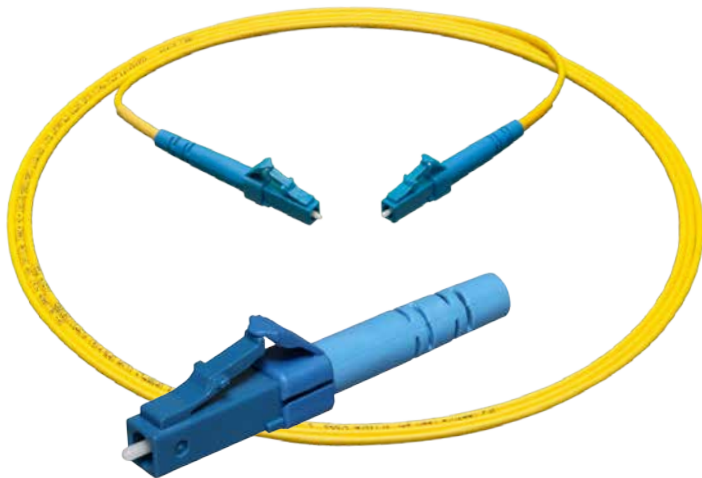
Variety of Jumpers for any Application

Product Description

Patch Cords and Jumpers are used to provide optical connection for fiber optic electronics. The use of the patch cord provides a quick and easy method for routing fiber patches in data centers, head-ends, cellular hubs and central offices. The patch cord can be used in an interconnect or cross-connect path connecting the incoming fibers to the electronic equipment and providing patching within the fiber paths. Patch Cords and Jumpers include simplex, duplex and quadplex (quad) assemblies. Larger fiber counts are available in multifiber type assemblies as connectorized cables and multifiber connector assemblies.

Features and Benefits

- 100% optically tested in the factory
- Wide variety of connector options and cable options available
- Available in a wide variety of fiber types
- Ultra Polish (UPC) and Angled Polish (APC) available for Single-Mode Connectors
- The LC, SC, ST2 and FC products offer pull proof connections and maintain optical contact under load



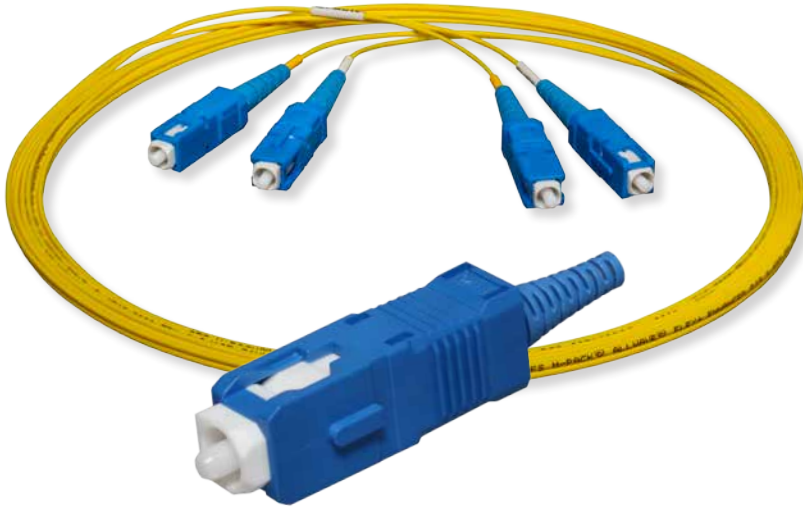
*LC Jumper
and LC Unibody® Connector*

LC Jumper

OFS offers LC simplex and duplex jumpers, pigtails, and hybrid assemblies. The LC Unibody® Connector used on LC patch cords features a trigger mechanism that allows the connector to be easily engaged and disengaged. The trigger also prevents the plug from snagging when patch cords or jumpers are routed. There are a number of boot options with the LC connector for tight bends and limited mounting space with either a 90 degree clip or short boot and 40 degree boot options. LC patch cords and jumpers are available with 900 µm tight-buffered optical fiber or 1.6, 2.0, 3.0 and 4.8 mm diameter cordage. The 1.2, 1.6 mm cordage is the smallest in the industry and provides greater jumper density in a fully loaded rack and helps prevent congestion in overhead racks.



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SC Jumper

The push-pull mating of the SC connector configuration allows the connector to be easily engaged and disengaged. The connector is easily configured into a duplex connector by the use of the 2A1 clip either from the factory with multimode connections or in the field. The SC connector also offers various boot options including the short boot for use in limited spaces. SC patch cords and jumpers are available with 900 μm tight-buffered optical fiber or 1.2 , 1.6 , 2.0 , 3.0 and 4.8 mm diameter cordage.



FC Jumper

FC connectors have long been used for specific electronic equipment applications. The connector utilizes a twist on cap that is engaged by the key. The assemblies are available with 900 μm tight-buffered optical fiber or 1.6, 2.0 and 3.0 mm diameter cordage.

LC, SC, FC & ST2 Jumpers

ST Jumper

ST connectors have long been used for data and Department of Transportation (DOT) applications. The connector utilizes a ramped bayonet with a “twist-lock”. The assemblies are available with 900 um, 1.6 mm, 2.0 mm and 3.0 mm diameter cordage.



Jumper Specifications

Connector	Insertion Loss Max. Standard Deviation	Return Loss Max.	Temperature Range	Cable Retention
Single-mode				
LCU/LCS	0.25/0.05 dB	-55 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb
LCA/LAS	0.5/0.05 dB	-65 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb
SCU/SCS	0.3/0.05 dB	-55 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb
SCA/SAS	0.3/0.05 dB	-65 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb
FCU	0.25/0.05 dB	-55 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb
FCA	0.3/0.05 dB	-65 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb
ST2	0.5/0.05 dB	-50 dB	-40 to 85	Cordage 20 lb
Multimode				
LCU/LCS	0.5/0.05 dB	-20 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb
SCU/SCS	0.5/0.05 dB	-20 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb
FCU	0.25/0.05 dB	-20 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb
ST2	0.6/0.05 dB	-20 dB	-40 to 85	Cordage 20 lb Pigtails 2 lb

Ordering Information: Jumper Assemblies SMART Coding

Examples: **JP3WY001LCULCU003M** – Jumper Plenum 3.0 mm AllWave® FLEX Fiber Yellow 1 fiber (Simplex) LCU LCU 003 Meters long
JR2WY002SCSSCA003M – Jumper Riser 2.0 mm AllWave FLEX Fiber Yellow 2 fibers (Zip) SCS SCA 003 Meters long
JV9WY001FCUUNC003M – Jumper Low Smoke PVC 900 µm AllWave FLEX Fiber Yellow 1 fiber FCU UNC (Pigtail) 003 Meters long

SMART Code syntax below has spaces between field sets for visibility. Actual SMART Code should not include any spacing.

aaa - Cable Design	aaa	b	c	ddd	eee	fff	nnn	g	g - Unit Of Measure
<p>JH1 = LSZH 1.6 mm JH2 = LSZH 2.0 mm JH3 = LSZH 3.0 mm JH4 = LSZH 4.8 mm (Simplex Only) JH5 = LSZH 4.8 mm I/O (Simplex Only) JHD = LSZH DFX 2.4 mm (Duplex Only) JDN = Dual Rated 3.0 mm I/O (Simplex Only) JD1 = Dual Rated 1.6 mm JD2 = Dual Rated 2.0 mm JD5 = Dual Rated I/O 4.8 mm JP1 = Plenum 1.6 mm JP2 = Plenum 2.0 mm JP3 = Plenum 3.0 mm JP4 = Plenum 4.8 mm (Simplex Only) JPD = Plenum DFX 2.4 mm (Duplex Only) JPO = Plenum Over-Jacket (Duplex Only) JR1 = Riser 1.6 mm JR2 = Riser 2.0 mm JR3 = Riser 3.0 mm JR4 = Riser 4.8 mm (Simplex Only) JR5 = Riser 4.8 mm I/O (Simplex Only) JR8 = Riser 4.8 mm I/O Toneable (Simplex Only) JRA = Riser 1.2 mm JRD = Riser DFX 2.4 mm (Duplex Only) JRO = Riser Over-Jacket (Duplex Only) JRV = 3.0 mm ruggedized I/O (Simplex Only) JU6 = UV Buffer 600 µm (Simplex Only) JU9 = UV Buffer 900 µm (Simplex Only) JV6 = Low Smoke PVC 600 µm (Simplex Only) JV9 = Low Smoke PVC 900 µm (Simplex Only)</p>									<p>M = Meters (Min. 1 m) C = Centimeters (Min. 15 cm simplex/45 cm duplex) F = Feet (Min. 1 ft) I = Inches (Min. 6 in. simplex/18 in. duplex)</p>
							nnn - Length 001 - 999		
									<p>eeefff - Connector Ends "A" & "B"</p> <p>LCA = LC Angle Polish (Single Mode Only) LA4 = LC Angle Polish 40 Degree Boot (Single Mode Only) LAS = LC Angled Polish Short Boot LC4 = LC Ultra Polish 40 Degree Boot LCU = LC Ultra Polish LCS = LC Ultra Polish Short Boot LCF = LC Ultra Polish Soft Boot (900 µm Only) LCD = LC Ultra Polish Single Mode Duplex w/ Clip SCA = SC Angle Polish (Single Mode Only) SAS = SC Angle Polish Short Boot SCU = SC Ultra Polish SCS = SC Ultra Polish Short Boot ST2 = ST2 Ultra Polish (Use with PLENUM Cordage) FCA = FC Angle Polish (Single Mode Only) FCU = FC Ultra Polish UNC = UNConnectorized (Stub, Pigtail) (End "B" only)</p>
									<p>ddd - Fiber Count</p> <p>001 = Simplex 002 = Duplex Zip 004 = Quad Round Cordage (1.6 mm Sub Units Riser Only)</p>
									<p>c - Jacket Color</p> <p>B = Blue (Blue Tiger) O = Orange (50 µm & 62.5 µm Multimode Fiber) S = Slate (Optional color 62.5 Multimode) W = White K = Black (Indoor/Outdoor 4.8 mm Cordage Fiber) Y = Yellow (AllWave FLEX Fiber) A = Aqua (LaserWave 150 G+, 300, 550 Fiber)</p> <p>Additional colors available upon request i.e. V- Violet; G- Green</p>
b - Fiber Type									
<p>B = Blue Tiger® (Blue Jacket Only) D = EZ-Bend® (White Jacket Default) F = LaserWave® 550 (Aqua Jacket Default) H = LaserWave 150 G+ (Aqua Jacket Default) K = 50 µm Bend-Insensitive (Orange Jacket Default) L = 62.5 µm Multimode (Orange Jacket Default) M = 50 µm Multimode (Orange Jacket Default) W = AllWave FLEX (Yellow Jacket Default) Z = LaserWave 300 (Aqua Jacket Default) 3 = LaserWave 300 Bend-Insensitive 5 = LaserWave 500 Bend-Insensitive 7 = AllWave FLEX Enhanced (A2 Yellow Jacket)</p>									

For additional information please contact your sales representative.
 You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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