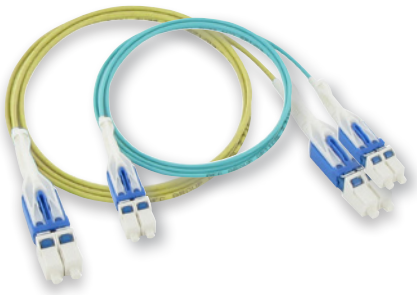

LC Uniboot Push/Pull Patchcord

AFL's range of LC Uniboot style patchcords with integrated push/pull tab are the ideal solution for high density patching environments.

The unique push pull tab allows easy finger access and a secure holding fixture for any patching or handling process. The attractive, low profile uniboot connector design utilises round 2 mm duplex cord for neater and denser cable management.

For multimode OM4 and OM3 applications, low loss connectors are used to offer the lowest possible channel loss.

Features

- Integrated push pull tab for ease of access and handling
- Low profile design reduces patching footprint
- Round 2 mm DX fibre design minimises patch cable volume and enhances looming neatness
- Low loss, high performance multimode connectors to minimise channel losses
- Also see features and benefits in 'AFL Fibre Optic Cable Assemblies' data sheet relating to performance and standards

Applications

- Termination enclosure to equipment patching
- Equipment to equipment patching
- Cross-connect patching (for high density patching see also AFL's MTP Low Loss Cabling System)

Australia: 1300 232 476 or www.AFLglobal.com/au
New Zealand: 09 927 7140 or www.AFLglobal.com/nz

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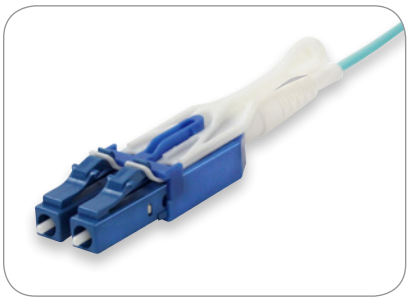
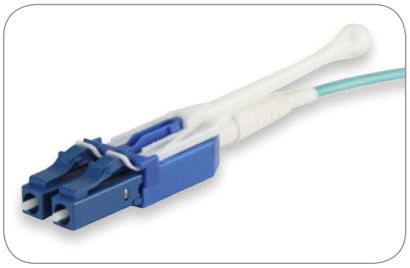
LC Uniboot Push/Pull Patchcord

Technical Specifications

CABLE PERFORMANCE	
	2 mm (round DX)
Operating Temperature (°C)	-20 to +70
Impact Resistance (impacts)	750
Flex Resistance (cycles)	2,000
Short Term Crush Resistance (N/100 mm)	500
Flame Retardancy	Riser
Fibre Count	2
Diameter (mm)	1.9
Weight (Kg/km)	4
Tensile Load – Installation (N)	300
Tensile Load – Operational (N)	100
Minimum Bend Radius – Installation (mm)	30
Minimum Bend Radius – Long-term (mm)	20



LC Duplex Push/Pull Uniboot
With Standard 44 mm tab



LC Duplex Push/Pull Uniboot
With extended 'long' 64 mm tab

CONNECTOR PERFORMANCE				
	Multimode		Singlemode	
	LL (Low Loss) at 850 and 1300 nm		UPC at 1310 and 1550 nm	
	Average	Max	Average	Max/Min
Insertion Loss (dB)	0.10	0.20 Max	0.10	0.25 Max
Return Loss (dB)	–	–	58	55 Min

TESTING AND APPLICABLE STANDARDS

- As per the above table, maximum connector insertion losses (IL) fall well below the maximum connector IL allowed under AS/NZS ISO/IEC 14763.3 (Testing of optical fibre customer premise cabling)
- All UPC and APC Singlemode connectors exceed the return loss (RL) and geometry requirements of GR-326-CORE (Generic Requirements for Singlemode Optical Connectors and Jumper Assemblies) and IEC 61755-3 (fibre optic connector optical interfaces)
- All connector endface conditions exceed the visual inspection criteria of IEC 61300-3-35 and AS/NZS ISO/IEC 14763.3
- All test cords used for connector IL and RL testing are 'reference grade' as per AS/NZS ISO/IEC 14763.3 specifications
- All test cords are inspected and cleaned prior to each connector test
- Multimode test launch conditions comply with ISO/IEC 14763.3, 14763.3 Amd.1 and IEC 61280-4-1
- All testing adapters used are of Singlemode grade with high tolerance ceramic sleeves
- All assemblies meet the requirements of AS/ACIF S008 (Requirements for customer cabling products/ACMA)
- TIA/EIA 455 standard test procedures apply to all AFL cable assemblies and components

FIBRE PERFORMANCE							
Core/Cladding Diameter (µM)	**Wavelength (nm)**	**Industry Standard Designation(s)**	**GigE Distance (m)**	**10GigE Distance (m)**	**Maximum Cabled Attenuation (dB/km)**	**Minimum Laser Bandwidth (MHz-km)**	**Minimum LED Bandwidth (MHz-km)**
50/125	(850/1310)	OM4 ISO/ IEC 11801	1040/600	550 (850 nm)	3.0/1.0	4700/500	3500/500
9/125 Bend-Insensitive Singlemode	(1310/1550)	ITU-T G.657.A OS1/2 ISO/ IEC 11801	5 km	10 km (1310 nm)	0.4/0.4	–	–

RATED MACROBEND LOSS - BEND TOLERANT OM4 CABLE (BIMMF)			
Mandrel Radius (mm)	**Number of Turns**	**Induced Attenuation (dB)**	
		850 nm	1300 nm
37.5	100	≤ 0.05	≤ 0.15
15	2	≤ 0.01	≤ 0.01
7.5	2	≤ 0.1	≤ 0.1

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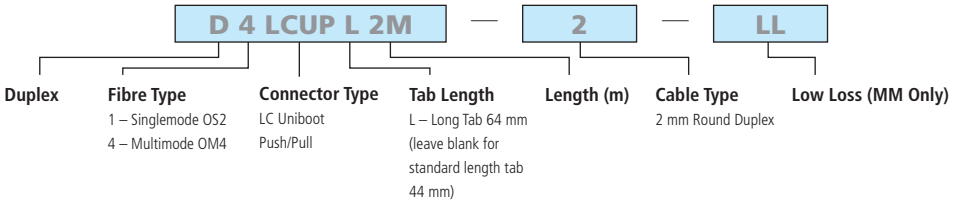
LC Uniboot Push/Pull Patchcord

Ordering Information



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