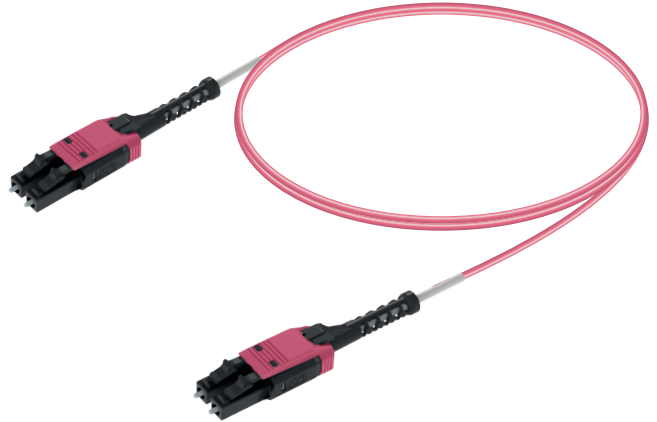# LC Duplex Polarity Reversible Uniboot Patch Cord | Multi-Mode

The LC uniboot fiber patch cable have a duplex multi-mode LC connector on each side. The patchcord utilises a special round duplex cable that allows duplex transmission within a single 2.0mm/3.0mm cable. Our uniboot patch cords come with a reversible polarity mechanisim, using rotating LC connectors and a retractable housing. This polarity reversal mechanism doesn't require any tools, and has a safety 180° limit to protect the fiber from strain. In addition, reversing the polarity is done without exposing the fibers to ambient space, which my cause damage.

The LC uniboot's patch cord modern design, with low profile housing, is intended for high density applications. When a panel is in maximum density, an operator can easily detach stacked adapters by holding the edges of the housing or using the push-pull boot. The DirectConec™ push-pull mechanism allows for easy connector insertion and withdrawal.
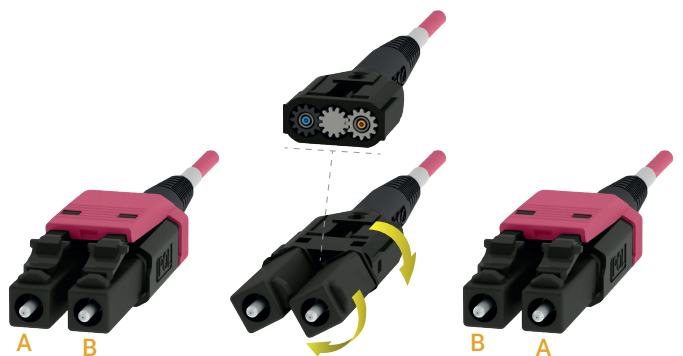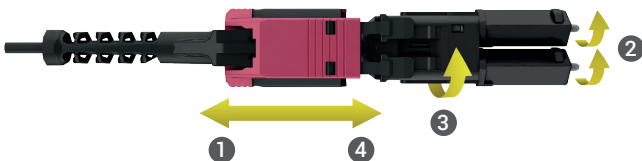
Connector Features

- Uniboot connectors are polished as duplex connectors
- Reversible polarity with no tools required
- Color coded polarity window makes polarity clearly visible
- Low profile design with push-pull boot for HD applications

- 2mm or 3mm cable options for multi-mode and single mode
- IEC Attenuation Grade B random mating requirements
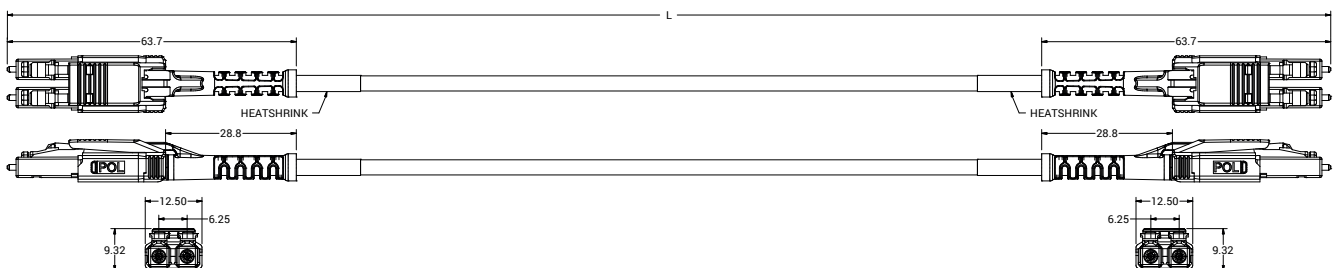 (0.12 dB mean, 0.25 dB maximum for ≥ 97% of the connectors)

Polarity Reversal

1 Hold the sides and pull back the outer housing
2 Rotate the connectors 180°, by turning only one of them
3 Rotate the inner body 180°, to reverse the connectors
4 Push the body into the outer housing until it clicks in place

A B   B A

Dimensions

L

63.7   63.7
HEATSHRINK   HEATSHRINK
28.8   28.8
12.50   12.50
6.25   6.25
9.32   9.32

Connector Specifications

LC Connector Compliance	IEC 61754-20
	TIA 604-10
	RoHS
Alignment Technology	Full ceramic ferrule (Zirconia ZrO_2)
Operating Temperature	-40°C to +85°C
Flammability	UL94 V-0
Durability	< 0.1dB typical change for > 500 matings

Cable Specifications

- 2 cores round duplex fiber optic cable
- 2.0mm diameter
- Max. Tensile Strength is 300 N
- Min. Bending Radius is 15 mm
- Cable Color:
  OM2: Orange, OM3: Aqua, Om4: Violet, OM5: Lime Green

Optical Performance

Insertion Loss IEC 61300-3-4 Method B	Multi-mode ≤ 0.30 dB
Return Loss IEC61300-3-6 Method B	Multi-mode ≥ 35 dB

End-face Control Parameters

Geometry Inspection	UPC : IEC 61755-3-1
Visual Inspection	IEC 61300-3-35

Color Coding

LC-UPC OM2 — Beige

LC-UPC OM3 — Aqua

LC-UPC OM4 — Violet

LC-UPC OM5 — Lime Green

Order Coding

I – PC – 02 – RND – 020 – OM3 – LC(UNI10) – LC(UNI10) – 005M

Type	Type	Fiber Count	Cable Type	Diameter	Fiber Type	1. Connector	2. Connector	Length
Indoor: I	Patch Cord: PC	2 Fibers: 02	Round: RND	2.0 mm: 020	MM G.651 OM1: OM1 MM G.651 OM2: OM2 MM G.651 OM3: OM3 MM G.651 OM4: OM4 MM G.651 OM5: OM5	LC-UPC: LC(UNI10) LC-APC: LA(UNI10)	LC-UPC: LC(UNI10) LC-APC: LA(UNI10)	___ M