Opti-Core® LC Uniboot Push-Pull Duplex Fiber Optic Patch Cords

technical information

Panduit's Duplex LC Uniboot Push-Pull connector gives you the option to change polarity with ease, it also has no loose pieces that could be dropped or lost when changing polarity. The LC Uniboot Push-Pull Duplex fiber optic patch cords are constructed with a 2.0mm 2-fiber round unitary cable available in plenum (OFNP) or low smoke zero halogen (LSZH) rated jacket materials to meet local ordinances. By using the 2.0mm cable which reduces cable volume by 50% the LC Uniboot Push-Pull fiber optic patch cords are ideal for reducing cabling congestion in extremely high density patch fields. These LC Uniboot patch cords are available in OM5+, OM4+, OM4, OM3, and OS2 fiber types with high performance insertion loss essential for today's high speed systems requiring very low connector insertion loss. This series is available with the following end faces; standard PC (physical contact) for multimode, UPC (ultra physical contact) for singlemode.

application

Provide interconnect and cross-connect of applications in entrance facilities, telecommunication rooms, data centers, at the desk and network applications to interconnect pre-terminated cassettes in main distribution, horizontal distribution, and equipment distribution areas.

construction

Fiber count:	2 - Fiber Round
Cable jacket ratings:	Plenum (OFNP) Low Smoke Zero Halogen (LSZH)
Fiber types:	Singlemode: OS2 9/125µm Multimode: OM3 50/125µm OM4/4+ 50/125µm OM5+ 50/125µm
Connector types, End 'A':	Duplex LC Uniboot
Connector types, End 'B':	Duplex LC Uniboot
Jacket color:	OS1/OS2: Yellow OM3: Aqua OM4: Aqua OM4+: Aqua OM5+: Lime Green

physical properties

Cable outside diameter (OD):	2.0mm
Bend Radius, (min):	40mm
Connector cable retention:	50N (11.24 lbs.) @ 0° 19.4N (4.4 lbs.) @ 90°
Connector durability:	500 cycles
Bend Radius, (min), (Long-Term):	20mm (40mm)

optical properties

Connector insertion loss:	MM:	0.15dB max (Optimized IL) 0.10dB max (Ultra-Low IL)
	SM:	0.25dB max (Optimized IL)
Connector return loss:		26dB min (MM) 55dB min (SM) 65dB min (SM/APC)

environmental properties

Storage and shipping temperature:	-40°C to 70°C
Operating and installation temperature:	-10°C to 60°C

standards

Meets or exceeds ISO/IEC 11801, TIA/EIA-568-D.3, TIA-604-10 (FOCIS-10)	
Restriction of Hazardous Substances (RoHS) Compliance:	All patch cord components meet the requirement of Directive 2011/65/EU

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part number configurator

Example: FX2RLUNUNONM005 = Fiber, OM3, 2-fiber, 2mm Round, LSZH, LC Uniboot to LC Uniboot, Optimized IL, 5 Meters

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	X	2	R	L	U	N	U	N	O	N	M	0	0	5

1 – Fiber Product
  F = Fiber

2 – Fiber Type
  X = OM3 50/125µm
  Z = OM4 50/125µm
  S = OM4+ 50/125µm
  W = OM5+ 50/125µm
  9 = OS2 9/125µm

3 – Fiber Count
  2 = 2-fiber

4 – Cable Type
  R = Round 2.0mm

5 – Jacket Type
  L = LSZH IEC 60332
      (Low Smoke Zero Halogen)
  P = OFNP (Plenum)

6 – Connector Type
  U = LC Duplex Uniboot

7 – Connector Variant
  A = APC (SM only and Optimized)
  N = No variant

8 – Connector Type
  U = LC Duplex Uniboot

9 – Connector Variant
  A = APC (SM only and Optimized)
  N = No variant

10 – Performance/Construction
  O = Optimized IL - Straight thru
      (A-B)
  N = Ultra-Low IL - Straight thru
      (A-B) - Multimode Only

11 – Connector Variant
  N = No variant

12 – Unit of Length
  M = Meters
  F = Feet

13, 14, 15 – Length
  001 - 050

changing polarity: lc duplex uniboot fiber optic patch cords

CHANGING POLARITY

WHEN DOTS ON HOUSING ARE MATCHING COLOR THE CONNECTOR INDICATES STRAIGHT THROUGH (A-B)

HOLD THE HOUSING AND PUSH THE BOOT FORWARD TOWARD THE CONNECTOR
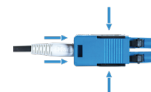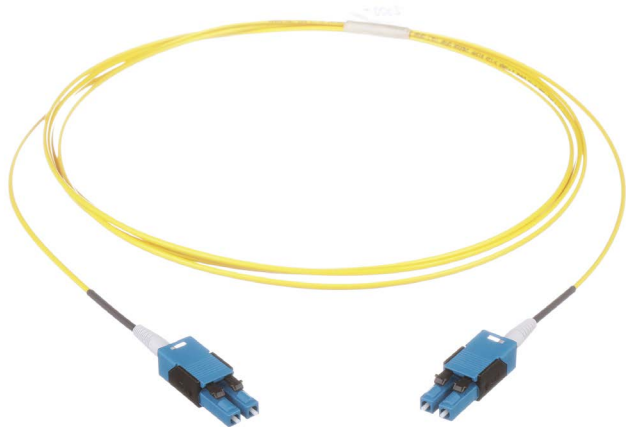
ROTATE THE CONNECTOR 180°

ROTATE OUTER HOUSING 180°

PUSH THE OUTER HOUSING FORWARD UNTIL IT CLICKS, LOCKING INTO POSITION

POLARITY IS CHANGED INTO PAIR FLIPPED (A-A) WHEN THE DOTS HAVE DIFFERENT COLORS

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

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 F92RLUAUAONM001 F92RLUAUAONM002 F92RLUAUAONM003 F92RLUAUAONM004 F92RLUAUAONM005
F92RLUAUAONM006 F92RLUAUAONM007 F92RLUAUAONM008 F92RLUAUAONM009 F92RLUAUAONM010
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