PANDUIT® building a smarter, unified business foundation
Connect. Manage. Automate.

Product Bulletin

Opti-Core® LC Patch Cords with mSFP Duplex Clip – Riser (OFNR)

Opti-Core® LC Patch Cords with mSFP duplex clip and new strain relief boot provides customers deploying Brocade's* high-density, 64-port Fibre Channel blades, FC8-64, with the same high-quality factory-attached LC connector. These patch cords are used in Storage Area Networks (SAN) inside the data center on Brocade's* new 64-port, 8 Gb/s Fibre Channel blade for the DCX switch frame. The 5.25mm center line LC duplex clip enables mating to the mSFP form factor transceiver.
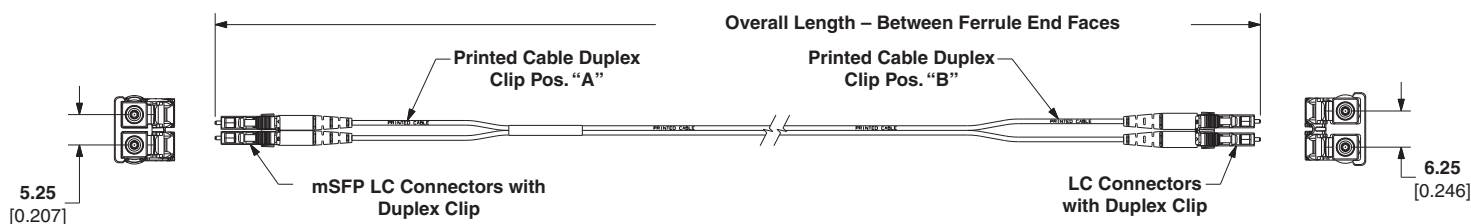
The LC connector contains our patented rear-pivot latch on a reduced center line pitch that is made to connect to the mSFP transceiver. Rear pivot LC latch prevents connector bundles from "fish hooking" other connectors, offers ease of installation and extends the life of the LC connector latch and the longevity of the connector. The Opti-Core® LC Patch Cords with mSFP will complement the QuickNet™ Fiber Optic Cabling System and will extend the reach of Panduit's LC connector line to this new, high-density application.

Key Features / Benefits

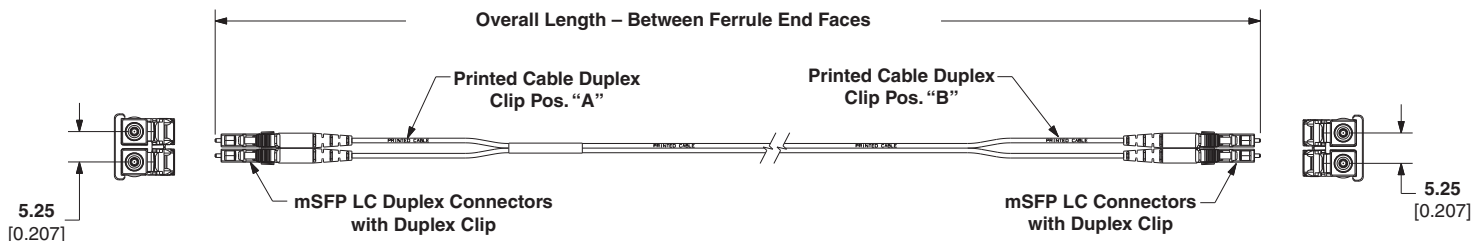| Key Features	Benefits
New strain relief boot with reduced outside diameter enables mating to the mSFP form factor transceiver	It extends the reach of Panduit LC connector line to this new, high density application
Rear pivot LC latch prevents connector bundles from "fish hooking" other connectors. Decreases amount of deflection required to mate and unmate	Ease of installation and extends life of the LC connector latch and the longevity of the connector

Technical Information

Certified	Patch cords are certified to support network transmission speeds up to 10 Gigabits per second for link lengths up to 550 meters with an 850nm source per IEEE 802.3ae 10 GbE Standards
TIA/EIA-568-C.3 performance	Meets or exceeds TIA/EIA-568-C.3 performance requirements
Insertion loss for standard patch cords	0.10dB typical, 0.25db max (OM1, OM2 and Standard OM3, OM4)
Insertion loss for optimized patch cords	0.15db max (optimized OM3 and optimized OM4)
Insertion loss data	Insertion loss data recorded for every multimode patch cord
Flame Rating	UL 1666 (OFNR) flame rating NFPA 262 (OFNP) flame rating

*Brocade is a trademark of Brocade Communications Systems, Inc.

mSFP Hybrid

Overall Length – Between Ferrule End Faces

Printed Cable Duplex Clip Pos. "A"

Printed Cable Duplex Clip Pos. "B"

mSFP LC Connectors with Duplex Clip

LC Connectors with Duplex Clip

5.25 [0.207]

6.25 [0.246]

mSFP Jumper

Overall Length – Between Ferrule End Faces

Printed Cable Duplex Clip Pos. "A"

Printed Cable Duplex Clip Pos. "B"

mSFP LC Duplex Connectors with Duplex Clip

mSFP LC Connectors with Duplex Clip

5.25 [0.207]

5.25 [0.207]

mSFP Patch Cord Part Numbers

Part Number	Description	Length (m)
OM3 mSFP to LC Patch Cord		
FXNLCMLE2RM001	OM3 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	1m
FXNLCMLE2RM002	OM3 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	2m
FXNLCMLE2RM003	OM3 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	3m
FXNLCMLE2RM005	OM3 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	5m
FXNLCMLE2RM010	OM3 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	10m
OM3 mSFP to mSFP Patch Cord		
FXNMLMLE2RM001	OM3 mSFP to mSFP duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	1m
FXNMLMLE2RM002	OM3 mSFP to mSFP duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	2m
OM4 mSFP to LC Patch Cord		
FZNLCMLE2RM001	OM4 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	1m
FZNLCMLE2RM002	OM4 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	2m
FZNLCMLE2RM003	OM4 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	3m
FZNLCMLE2RM005	OM4 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	5m
FXNLCMLE2RM010	OM4 mSFP to LC duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	10m
OM4 mSFP to mSFP Patch Cord		
FZNMLMLE2RM001	OM4 mSFP to mSFP duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	1m
FZNMLMLE2RM002	OM4 mSFP to mSFP duplex fiber patch cord, riser rated, 1.6mm jacketed cable.	2m

Standard lengths are shown above. Please contact Customer Service for other non-standard length part numbers, pricing, and lead times.

Dimensions are in millimeters. [Dimensions in brackets are inches].

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