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PANDUIT®

Keyed LC QuickNet™ MTP* Fiber Optic Cassettes

- Include color-specific keys with positive and negative keying features to visually and mechanically distinguish connections to prevent unauthorized mating with unlike keyed or non-keyed connectors and patch cords

- Part of a complete keyed LC system that includes Opti-Core® Patch Cords and Pigtails, OptiCam® Pre-Polished Cam Connectors, Opticom® Fiber Adapter Panels (FAPs), and Mini-Com® Adapter Modules

- Compatible with Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures on page C.54, Opticom® Zero RU Cable Management Solutions on page C.57, and Opticom® Wall Mount Enclosures on page C.60, for up to 96 fiber connections in 1RU

- Low insertion loss of 0.5dB max. per optimized cassette and 1.0dB max. per standard cassette; ensures system meets IEEE 802.3ae max. channel loss specification of <2.6dB

- Return loss: ≥26dB (10Gig™ multimode), ≥20dB (multimode), ≥55dB (singlemode)

- Connect together with high-density female MTP* cable assemblies as interconnecting network segments for deploying a remote or data center location in minutes

- Significantly reduce installation time and labor by eliminating field connector terminations

- Factory terminated, assembled, and 100% tested

- Insertion loss data provided on every fiber cassette

- Return loss data provided on all singlemode fiber cassettes

- Lifetime traceability of test data to a Q.C. number on each fiber cassette

- 10Gig™ OM3 50/125μm Fiber Cassettes are tested per IEEE 802.3ae 10 GbE to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters at 850nm; backward compatible with all 50/125μm (OM2) MPO or MTP* system requirements

FCXO-24-10ABL

FCXO-24-10BRD

Part Number	Part Description	Key Type and Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Keyed LC Optimized 10Gig™ 50/125μm (OM3) Multimode MTP* Cassettes				
FCXO-12-10ABL	Optimized OM3 10Gig™ 50/125μm Six LC (keyed A – black) duplex adapters to one male 12-fiber optimized pre-terminated MTP* connector.	Keyed A – Black	1	10
FCXO-12-10BRD	Optimized OM3 10Gig™ 50/125μm Six LC (keyed B – red) duplex adapters to one male 12-fiber optimized pre-terminated MTP* connector.	Keyed B – Red	1	10
FCXO-12-10CGR	Optimized OM3 10Gig™ 50/125μm Six LC (keyed C – green) duplex adapters to one male 12-fiber optimized pre-terminated MTP* connector.	Keyed C – Green	1	10
FCXO-12-10DYL	Optimized OM3 10Gig™ 50/125μm Six LC (keyed D – yellow) duplex adapters to one male 12-fiber optimized pre-terminated MTP* connector.	Keyed D – Yellow	1	10
FCXO-12-10EOR	Optimized OM3 10Gig™ 50/125μm Six LC (keyed E – orange) duplex adapters to one male 12-fiber optimized pre-terminated MTP* connector.	Keyed E – Orange	1	10
FCXO-12-10FDB	Optimized OM3 10Gig™ 50/125μm Six LC (keyed F – dark blue) duplex adapters to one male 12-fiber optimized pre-terminated MTP* connector.	Keyed F – Dark Blue	1	10
FCXO-24-10ABL	Optimzed OM3 10Gig™ 50/125μm Twelve LC (keyed A – black) duplex adapters to two male 24-fiber optimized pre-terminated MTP* connectors.	Keyed A – Black	1	10
FCXO-24-10BRD	Optimzed OM3 10Gig™ 50/125μm Twelve LC (keyed B – red) duplex adapters to two male 24-fiber optimized pre-terminated MTP* connectors.	Keyed B – Red	1	10
FCXO-24-10CGR	Optimzed OM3 10Gig™ 50/125μm Twelve LC (keyed C – green) duplex adapters to two male 24-fiber optimized pre-terminated MTP* connectors.	Keyed C – Green	1	10
FCXO-24-10DYL	Optimzed OM3 10Gig™ 50/125μm Twelve LC (keyed D – yellow) duplex adapters to two male 24-fiber optimized pre-terminated MTP* connectors.	Keyed D – Yellow	1	10

*MTP is a registered trademark of US Conec Ltd.

The Keyed LC Fiber Optic System is now offering 18 colors to ensure network physical layer security with color-specific keyed connectivity. For complete keyed solutions, please reference www.panduit.com.

Keyed LC QuickNet™ MTP* Fiber Optic Cassettes (continued)

FCX-24-10CGR

Part Number	Part Description	Key Type and Color	Std. Pkg. Qty.	Std. Ctn. Qty.
FCXO-24-10EOR	Optimzed OM3 10Gig™ 50/125μm Twelve LC (keyed E – orange) duplex adapters to two male 24-fiber optimized pre-terminated MTP* connectors.	Keyed E – Orange	1	10
FCXO-24-10FDB	Optimzed OM3 10Gig™ 50/125μm Twelve LC (keyed F – dark blue) duplex adapters to two male 24-fiber optimized pre-terminated MTP* connectors.	Keyed F – Dark Blue	1	10
Keyed LC 10Gig™ 50/125μm (OM3) Multimode MTP* Cassettes				
FCX-12-10ABL	OM3 10Gig™ 50/125μm Six LC (keyed A – black) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed A – Black	1	10
FCX-12-10BRD	OM3 10Gig™ 50/125μm Six LC (keyed B – red) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed B – Red	1	10
FCX-12-10CGR	OM3 10Gig™ 50/125μm Six LC (keyed C – green) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed C – Green	1	10
FCX-12-10DYL	OM3 10Gig™ 50/125μm Six LC (keyed D – yellow) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed D – Yellow	1	10
FCX-12-10EOR	OM3 10Gig™ 50/125μm Six LC (keyed E – orange) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed E – Orange	1	10
FCX-12-10FDB	OM3 10Gig™ 50/125μm Six LC (keyed F – dark blue) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed F – Dark Blue	1	10
FCX-24-10ABL	OM3 10Gig™ 50/125μm Twelve LC (keyed A – black) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed A – Black	1	10
FCX-24-10BRD	OM3 10Gig™ 50/125μm Twelve LC (keyed B – red) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed B – Red	1	10
FCX-24-10CGR	OM3 10Gig™ 50/125μm Twelve LC (keyed C – green) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed C – Green	1	10
FCX-24-10DYL	OM3 10Gig™ 50/125μm Twelve LC (keyed D – yellow) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed D – Yellow	1	10
FCX-24-10EOR	OM3 10Gig™ 50/125μm Twelve LC (keyed E – orange) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed E – Orange	1	10
FCX-24-10FDB	OM3 10Gig™ 50/125μm Twelve LC (keyed F – dark blue) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed F – Dark Blue	1	10

For MTP* Connector Cleaning Tools, see page C.107 of SA-NCCB51.
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The Keyed LC Fiber Optic System is now offering 18 colors to ensure network physical layer security with color-specific keyed connectivity. For complete keyed solutions, please reference www.panduit.com.

Order number of pieces required, in multiples of Standard Package Quantity.   Prime items appear in **BOLD**.

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Keyed LC QuickNet™ MTP* Fiber Optic Cassettes (continued)

FC5-24-10DYL

Part Number	Part Description	Key Type and Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Keyed LC 50/125µm (OM2) Multimode MTP* Cassettes				
FC5-12-10ABL	OM2 50/125µm Six LC (keyed A – black) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed A – Black	1	10
FC5-12-10BRD	OM2 50/125µm Six LC (keyed B – red) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed B – Red	1	10
FC5-12-10CGR	OM2 50/125µm Six LC (keyed C – green) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed C – Green	1	10
FC5-12-10DYL	OM2 50/125µm Six LC (keyed D – yellow) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed D – Yellow	1	10
FC5-12-10EOR	OM2 50/125µm Six LC (keyed E – orange) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed E – Orange	1	10
FC5-12-10FDB	OM2 50/125µm Six LC (keyed F – dark blue) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed F – Dark Blue	1	10
FC5-24-10ABL	OM2 50/125µm Twelve LC (keyed A – black) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed A – Black	1	10
FC5-24-10BRD	OM2 50/125µm Twelve LC (keyed B – red) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed B – Red	1	10
FC5-24-10CGR	OM2 50/125µm Twelve LC (keyed C – green) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed C – Green	1	10
FC5-24-10DYL	OM2 50/125µm Twelve LC (keyed D – yellow) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed D – Yellow	1	10
FC5-24-10EOR	OM2 50/125µm Twelve LC (keyed E – orange) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed E – Orange	1	10
FC5-24-10FDB	OM2 50/125µm Twelve LC (keyed F – dark blue) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed F – Dark Blue	1	10

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Keyed LC QuickNet™ MTP* Fiber Optic Cassettes (continued)

FC6-24-10EOR

Part Number	Part Description	Key Type and Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Keyed LC 62.5/125µm (OM1) Multimode MTP* Cassettes				
FC6-12-10ABL	OM1 62.5/125µm Six LC (keyed A – black) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed A – Black	1	10
FC6-12-10BRD	OM1 62.5/125µm Six LC (keyed B – red) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed B – Red	1	10
FC6-12-10CGR	OM1 62.5/125µm Six LC (keyed C – green) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed C – Green	1	10
FC6-12-10DYL	OM1 62.5/125µm Six LC (keyed D – yellow) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed D – Yellow	1	10
FC6-12-10EOR	OM1 62.5/125µm Six LC (keyed E – orange) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed E – Orange	1	10
FC6-12-10FDB	OM1 62.5/125µm Six LC (keyed F – dark blue) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed F – Dark Blue	1	10
FC6-24-10ABL	OM1 62.5/125µm Twelve LC (keyed A – black) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed A – Black	1	10
FC6-24-10BRD	OM1 62.5/125µm Twelve LC (keyed B – red) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed B – Red	1	10
FC6-24-10CGR	OM1 62.5/125µm Twelve LC (keyed C – green) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed C – Green	1	10
FC6-24-10DYL	OM1 62.5/125µm Twelve LC (keyed D – yellow) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed D – Yellow	1	10
FC6-24-10EOR	OM1 62.5/125µm Twelve LC (keyed E – orange) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed E – Orange	1	10
FC6-24-10FDB	OM1 62.5/125µm Twelve LC (keyed F – dark blue) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed F – Dark Blue	1	10

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Keyed LC QuickNet™ MTP* Fiber Optic Cassettes (continued)

FC9-24-10FDB

Part Number	Part Description	Key Type and Color	Std. Pkg. Qty.	Std. Ctn. Qty.
Keyed LC 9/125µm (OS1/OS2) Singlemode Pre-Terminated MTP* Cassettes				
FC9-12-10ABL	OS1/OS2 9/125µm Six LC (keyed A – black) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed A – Black	1	10
FC9-12-10BRD	OS1/OS2 9/125µm Six LC (keyed B – red) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed B – Red	1	10
FC9-12-10CGR	OS1/OS2 9/125µm Six LC (keyed C – green) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed C – Green	1	10
FC9-12-10DYL	OS1/OS2 9/125µm Six LC (keyed D – yellow) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed D – Yellow	1	10
FC9-12-10EOR	OS1/OS2 9/125µm Six LC (keyed E – orange) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed E – Orange	1	10
FC9-12-10FDB	OS1/OS2 9/125µm Six LC (keyed F – dark blue) duplex adapters to one male 12-fiber pre-terminated MTP* connector.	Keyed F – Dark Blue	1	10
FC9-24-10ABL	OS1/OS2 9/125µm Twelve LC (keyed A – black) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed A – Black	1	10
FC9-24-10BRD	OS1/OS2 9/125µm Twelve LC (keyed B – red) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed B – Red	1	10
FC9-24-10CGR	OS1/OS2 9/125µm Twelve LC (keyed C – green) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed C – Green	1	10
FC9-24-10DYL	OS1/OS2 9/125µm Twelve LC (keyed D – yellow) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed D – Yellow	1	10
FC9-24-10EOR	OS1/OS2 9/125µm Twelve LC (keyed E – orange) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed E – Orange	1	10
FC9-24-10FDB	OS1/OS2 9/125µm Twelve LC (keyed F – dark blue) duplex adapters to two male 24-fiber pre-terminated MTP* connectors.	Keyed F – Dark Blue	1	10

For MTP* Connector Cleaning Tools, see page C.107 of SA-NCCB51.

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