PHYSICAL INFRASTRUCTURE SYSTEMS



A. System

Overview

Copper Systems

C. Fiber Optic

Systems

D.

Power

over Ethernet

E.

Zone

Cabling

E. Wireless

G. Outlets

H. Media Distribution

I. Physical

Infrastructure Management

J. Overhead & Underfloor Routing

> K. Surface

Raceway

L. Cabinets,

Racks & Cable Management Μ.

Grounding 8 Bonding

> N. Industrial

Keyed Opti-Core[®] 10Gig[™] 50/125µm (OM3) Fiber Optic Patch **Cords and Pigtails**

- Patch cords are tested to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters with an 850nm source per IEEE 802.3ae 10 GbE standard
- Pass all TIA/EIA-568-B.3 performance requirements
- Insertion loss per connection: 0.10dB typical; 0.30dB maximum
- 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 adapters

E

F

F

F

E

F

- 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
- Backward compatible for use with all 50/125µm system requirements
- Factory terminated and 100% tested for insertion loss
- · Insertion loss data recorded for every multimode patch cord
- Lifetime traceability of test data to a Q.C. number on each patch cord
- Highest guality flame retardant fiber optic cable with tight-buffered coating on each optical fiber

Part Number Part Description

Keyed LC to Keyed LC – 10Gig[™] OM3 Multimode Duplex Patch Cords – 1.6mm Jacketed Cable

FXE10A-10AM1	LC (keyed A – black) to LC (keyed A – black) multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed LC connector on each end) – 10Gig [™] 50/125µm.	1	1	10
FXE10B-10BM1	LC (keyed B – red) to LC (keyed B – red) multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed LC connector on each end) – 10Gig [™] 50/125µm.	1	1	10
FXE10C-10CM1	LC (keyed C – green) to LC (keyed C – green) multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed LC connector on each end) – $10Gig^{\text{\tiny M}}$ 50/125µm.	1	1	10
FXE10D-10DM1	LC (keyed D – yellow) to LC (keyed D – yellow) multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed D – yellow LC connector on each end) – 10Gig [™] 50/125µm.	1	1	10
FXE10E-10EM1	LC (keyed E – orange) to LC (keyed E – orange) multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed LC connector on each end) – 10Gig [™] 50/125µm.	1	1	10
FXE10F-10FM1	LC (keyed F – dark blue) to LC (keyed F – dark blue) multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed LC connector on each end) – 10Gig [™] 50/125µm.	1	1	10

Keved LC to Pigtail – 10Gig[™] OM3 Multimode Simplex Pigtail – 900µm Buffered Fiber

te de la rigian - roarg Omo matanode omplex rigian - soupin banered riber						
FXB10A-NM1	LC (keyed A – black) to pigtail multimode simplex pigtail, 900µm buffered fiber (one keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10		
FXB10B-NM1	LC (keyed B – red) to pigtail multimode simplex pigtail, 900µm buffered fiber (one keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10		
FXB10C-NM1	LC (keyed C – green) to pigtail multimode simplex pigtail, 900 μ m buffered fiber (one keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125 μ m.	1	1	10		
FXB10D-NM1	LC (keyed D – yellow) to pigtail multimode simplex pigtail, 900µm buffered fiber (one keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10		
FXB10E-NM1	LC (keyed E – orange) to pigtail multimode simplex pigtail, 900µm buffered fiber (one keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10		
FXB10F-NM1	LC (keyed F – dark blue) to pigtail multimode simplex pigtail, 900µm buffered fiber (one keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10		

^Additional lengths and availability: Keyed LC patch cords and pigtails are available in 1m - 10m lengths in 1m increments, and 15m, 20m, and 30m lengths. Keyed FJ® Plug Patch Cords and Pigtails are available in 1m, 2m, 3m, 5m and 10m lengths. To order lengths other than 1m, replace the 1 after the M (FXE10A-10AM1) with the desired length (FXE10A-10AM2 for 2 meter length). The above lengths are stock items. For other lengths, contact Customer Service for actual lead times.

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.



FXB10C-NM



0. Index

PHYSICAL INFRASTRUCTURE SYSTEMS

Part Numbo

Keyed Opti-Core[®] 10Gig[™] 50/125µm (OM3) Fiber Optic Patch Cords and Pigtails (continued)



FXPE10D-NM

FXE10E-10M

	Part Description	(m)^	Qty.	Qty.	D.
Keyed LC to Pi Jacketed Cable	gtail – 10Gig [™] OM3 Multimode Duplex Plenum Pigtai	I – 1.6	mm		Power over Ethernet
FXPE10A-NM1	LC (keyed A – black) to pigtail multimode duplex plenum pigtail, 1.6mm jacketed cable (one duplex keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10	E. Zone Cabling
FXPE10B-NM1	LC (keyed B – red) to pigtail multimode duplex plenum pigtail, 1.6mm jacketed cable (one duplex keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10	F.
FXPE10C-NM1	LC (keyed C – green) to pigtail multimode duplex plenum pigtail, 1.6mm jacketed cable (one duplex keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10	Wireless
FXPE10D-NM1	LC (keyed D – yellow) to pigtail multimode duplex plenum pigtail, 1.6mm jacketed cable (one duplex keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10	G. Outlets
FXPE10E-NM1	LC (keyed E – orange) to pigtail multimode duplex plenum pigtail, 1.6mm jacketed cable (one duplex keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10	H. Media Distribution
FXPE10F-NM1	LC (keyed F – dark blue) to pigtail multimode duplex plenum pigtail, 1.6mm jacketed cable (one duplex keyed LC connector on one end and open on the other end) – 10Gig [™] 50/125µm.	1	1	10	l. Physical Infrastructure Management
Keyed LC to LC	- 10Gig [™] OM3 Multimode Duplex Patch Cords - 1.6mm	n Jacke	eted C	able	J.
FXE10A-10M1	LC (keyed A – black) to LC multimode duplex patch cord,	1	1	10	Overhead &
	 6mm jacketed cable (one duplex keyed LC connector on one end and one duplex LC connector on the other end) – 10Gig[™] 50/125µm. 			10	Underfloor Routing
FXE10B-10M1	one end and one duplex LC connector on the other	1	1	10	
FXE10B-10M1 FXE10C-10M1	one end and one duplex LC connector on the other end) – 10Gig [™] 50/125µm. LC (keyed B – red) to LC multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed LC connector on one end and one duplex LC connector on the other	1	1		Routing K. Surface Raceway L. Cabinets, Racks & Cable
	one end and one duplex LC connector on the other end) – 10Gig [™] 50/125μm. LC (keyed B – red) to LC multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed LC connector on one end and one duplex LC connector on the other end) – 10Gig [™] 50/125μm. LC (keyed C – green) to LC multimode duplex patch cord, 10 GbE, 1.6mm jacketed cable (one duplex keyed LC connector on one end and one duplex LC connector on the	•		10	Routing K. Surface Raceway L. Cabinets, Racks & Cable Management M. Grounding &
FXE10C-10M1	 one end and one duplex LC connector on the other end) – 10Gig[™] 50/125µm. LC (keyed B – red) to LC multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed LC connector on one end and one duplex LC connector on the other end) – 10Gig[™] 50/125µm. LC (keyed C – green) to LC multimode duplex patch cord, 10 GbE, 1.6mm jacketed cable (one duplex keyed LC connector on one end and one duplex LC connector on the other end) – 10Gig[™] 50/125µm. LC (keyed D – yellow) to LC multimode duplex patch cord, 1.6mm jacketed cable (one duplex keyed LC connector on one end and one duplex LC connector on one end and one duplex LC connector on 	1	1	10	Routing K. Surface Raceway L. Cabinets, Racks & Cable Management M.

Part Description

increments, and 15m, 20m, and 30m lengths. Keyed FJ® Plug Patch Cords and Pigtails are available in 1m, 2m, 3m, 5m and 10m lengths. To order lengths other than 1m, replace the 1 after the M (FXE10A-10AM1) with the desired length (FXE10A-10AM2 for 2 meter length). The above lengths are stock items. For other lengths, contact Customer Service for actual lead times.

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.

0. Labeling & Identification

P. Cable Management Accessories

> Q. Index

Table continues on next page

B. Copper Systems

> C. Fiber Optic

Systems

Std. Std.

04.

Length Pkg. Ctn.

0

CANDUIT® PHYSICAL INFRASTRUCTURE SYSTEMS

Keyed Opti-Core[®] 10Gig[™] 50/125µm (OM3) Fiber Optic Patch Cords and Pigtails (continued)



A. System

Overview

B.

Copper Systems

> C. Fiber

E. Zone Cabling

F. Wireless

G. Outlets

H. Media Distribution

l. Physical Infrastructure Management

J. Overhead & Underfloor Routing

K. Surface Raceway

L. Cabinets, Racks & Cable Management

M. Grounding & Bonding

N. Industrial

0. Labeling & Identification

P. Cable Management Accessories

Q.	
Index	

M			
FX	E3-10FM		
	-	1	

FXD6PW-3M*Y

FXD6PX-3M*Y



FXD6PY-3M*Y



FXD6PZ-3M*Y

Part Number	Part Description	Length (m)^	Pkg.	Std. Ctn. Qty.
SC to Keyed LC	C – 10Gig [™] OM3 Multimode Duplex Patch Cords – 1.6mr	n Jacke	ted C	able
FXE3-10AM1	SC to LC (keyed A – black) multimode duplex patch cord, 1.6mm jacketed cable (one duplex SC connector on one end and one duplex keyed LC connector on the other end) – 10Gig [™] 50/125µm.	1	1	10
FXE3-10BM1	SC to LC (keyed B – red) multimode duplex patch cord, 1.6mm jacketed cable (one duplex SC connector on one end and one duplex keyed LC connector on the other end) – 10Gig [™] 50/125µm.	1	1	10
SC to LC (keyed C – green) multimode duplex patch cord, 1.6mm jacketed cable (one duplex SC connector on one end and one duplex keyed LC connector on the other end) – 10Gig [™] 50/125µm.			1	10
FXE3-10DM1	1	1	10	
FXE3-10EM1	E3-10EM1 SC to LC (keyed E – orange) multimode duplex patch cord, 1.6mm jacketed cable (one duplex SC connector on one end and one duplex keyed LC connector on the other end) – 10Gig [™] 50/125µm.			
FXE3-10FM1	SC to LC (keyed F – dark blue) multimode duplex patch cord, 1.6mm jacketed cable (one duplex SC connector on one end and one duplex keyed LC connector on the other end) – 10Gig [™] 50/125µm.	1	1	10
Keyed FJ [®] Plug Jacketed Cable	g to SC – 10Gig [™] OM3 Multimode Duplex Patch Cord	s – 3mr	n	
FXD6PW-3M1Y	FJ [®] Plug (keyed W – black) to SC multimode duplex patch cord, 3mm jacketed cable (one keyed FJ [®] Plug on one end and one duplex SC connector on the other end) – 10Gig [™] 50/125μm.	1	1	10
FXD6PX-3M1Y	FJ [®] Plug (keyed X – red) to SC multimode duplex patch cord, 3mm jacketed cable (one keyed FJ [®] Plug on one end and one duplex SC connector on the other end) – 10Gig [™] 50/125µm.	1	1	10
FXD6PY-3M1Y	FJ [®] Plug (keyed Y – orange) to SC multimode duplex patch cord, 3mm jacketed cable (one keyed FJ [®] Plug on one end and one duplex SC connector on the other end) – 10Gig [™] 50/125μm.	1	1	10
FXD6PZ-3M1Y	FJ [®] Plug (keyed Z – yellow) to SC multimode duplex patch cord, 3mm jacketed cable (one keyed FJ [®] Plug on one end and one duplex SC connector on the other end) – 10Gig [™] 50/125µm.	1	1	10

^Additional lengths and availability: Keyed LC patch cords and pigtails are available in 1m - 10m lengths in 1m increments, and 15m, 20m, and 30m lengths. Keyed FJ[®] Plug Patch Cords and Pigtails are available in 1m, 2m, 3m, 5m and 10m lengths. To order lengths other than 1m, replace the 1 after the M (FXE10A-10AM<u>1</u>) with the desired length (FXE10A-10AM<u>2</u> for 2 meter length). The above lengths are stock items. For other lengths, contact Customer Service for actual lead times.

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.

Cable Self-Laminating Labels for Keyed Opti-Core[®] 10Gig[™] 50/125µm (OM3) Fiber Optic Patch Cords and Pigtails

	18	-AO	4	
12	18	-40	4	
911	18	- 48	2	

Suggested Label Solutions for TIA/EIA-606-A Compliance						
Patch Cord	Laser/Ink Jet Desktop	TDP43ME Thermal Transfer	PanTher [™] LS8E	Cougar [™] LS9		
Part Number	Printer Label	Desktop Printer Label	Hand-Held Printer Label	Hand-Held Printer Label		
All FXE parts	S100X160YAJ	S100X150VATY	S100X160VAC	T100X000CBC-BK		
	and NWSLC-3Y‡	and NWSLC-3Y‡	and NWSLC-3Y‡	and NWSLC-3Y		
All FXD parts	S100X220YAJ	S100X225VATY	S100X220VAC	T100X000CBC-BK		
	and NWSLC-7Y‡	and NWSLC-7Y‡	and NWSLC-7Y‡	and NWSLC-7Y		

For complete labeling solutions and product information, reference charts on pages O.1 – O.18 of SA-NCCB51. ‡For complete information on fiber optic cable identification solutions, reference page C.92 of SA-NCCB51.

Order number of pieces required, in multiples of Standard Package Quantity.

Ctd Ctd