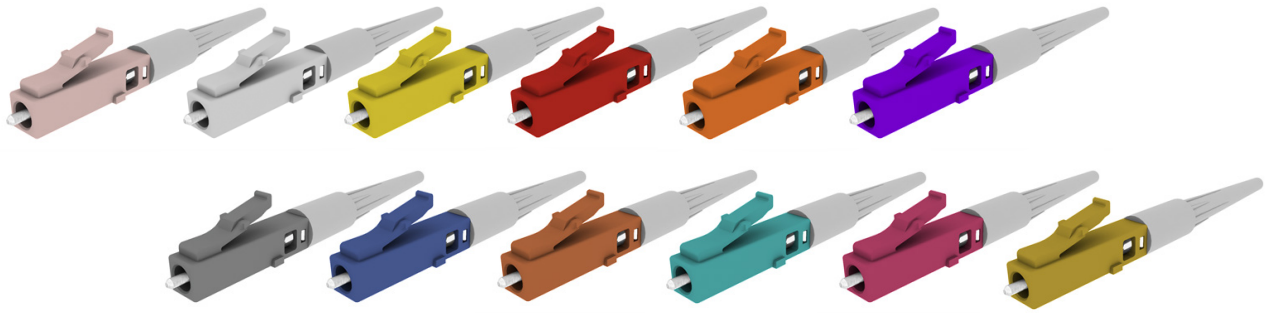


# LEGRAND® KEYED LC
# FIBER SOLUTIONS



designed to be better.™

legrand®



## *Legrand Keyed LC Fiber Solutions*

**For critical networks, the security and integrity of your information simply cannot be compromised. To build a secure network that protects sensitive data and classified information, you need a cabling solution that will help protect computer systems and networks from outside intrusion and internal abuse. Legrand Keyed LC Fiber Solutions do just that, by preventing inadvertent or unauthorized access to optical fiber network ports.**

Legrand keyed LC fiber solutions provide a simple and convenient way to physically prevent the user from making an unauthorized connection by blocking access to specific optical ports, whether they are at a workstation outlet or in a telecommunications room or data center. This is particularly important for government, finance, military and other facilities where multiple networks having different security level access requirements may be co-located.

## FEATURES & BENEFITS

- Up to thirteen unique keying options/colors for a wide range of network security systems, easy identification and network management.
- Keyed workstation adapter modules are available for TracJack® and High Density Jack (HDJ) style Face plates and surface mount boxes for complete system design flexibility.
- Keyed LC adapters have the option to be keyed in the front only (user's side) or on both sides (user's and technician's) depending on the security requirements.
- All Legrand keyed LC fiber products are engineered to be compatible with other Legrand products to provide an end to end, data center to desktop solution.

Legrand keyed LC solutions provide physical separation of multiple networks for high security applications. Color-coded keys allow easy identification and facilitate network administration.



## *Legrand Keyed LC Fiber Solutions*

Legrand is transforming the way IT infrastructure is being deployed. Simplify installation and maintenance by utilizing the Legrand Field Sales Engineering team. This value-added resource is comprised of highly-skilled engineers and product managers that represent the service layer of Legrand. This group will help oversee your projects – delivering practical solutions to common problems, flawless deployment, and immediate return on your investment

## FIELD SALES ENGINEERING PROVIDES



**Design**

- Detailed planning for growth and scalability
- Layouts
- Drawings
- Situational analysis
- RFI/RFP review



**Implementation**

- Installation
- Specification validation
- Configuration
- Specification document review



**Support**

- Warranty
- Tech support
- Configuration support

To engage Legrand's Field Sales Engineering team
**Email:** PSET@LEGRAND.US | **Phone number:** 1.877.717-0498

## *Pre-polished Multimode and Single-mode Keyed Splice on Connectors*

Legrand pre-polished keyed LC multimode and single-mode connectors provide the same ease of installation and high-quality performance as our line of standard LC pre-polished connectors. Up to twelve keys/colors of connectors are possible with unique physical keying configurations.

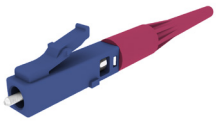
The fusion splicing method is accomplished by fusing the field fiber to the factory-cleaved fiber stub to ensure ease of use and optimal performance. The unique boot allows the entire splice to be concealed and protected. Additionally, an extended brass crimp sleeve provides extra protection to the splice and utilizes the Kevlar® for maximized pull strength.

## FEATURES

- 12 color/key configurations available
- Internal keying feature prevents tampering
- High quality 1.25 mm zirconia ferrules used
- A factory-cleaved 900um fiber stub ensures ease of use and optimal performance
- 50/125 µm and 9/125 µm laser-optimized fiber types available
- 1.6 in boot protects the splice for easy cable management

**Pre-polished Multimode and Single-mode Keyed Splice on Connectors**

| Part Numbers | Description |
|---|---|
| 205KKF9GA-50E-**x** | Infinium Keyed LC Splice-On Connector (SOC) For 900um Fiber, 50/125 Multimode OM4 (6 Pack) |
| 205KKF9GD-50E-**x** | Infinium Keyed LC Splice-On Connector (SOC) For 900um Fiber, 50/125 Multimode OM4 (50 Pack) |
| 205KKF9SA-09-**x** | Infinium Keyed LC Splice-On Connector (SOC) For 900um Fiber, 9/125 Single-Mode OS2 (6 Pack) |
| 205KKF9SD-09-**x** | Infinium Keyed LC Splice-On Connector (SOC) For 900um Fiber, 9/125 Single-Mode OS2 (50 Pack) |



205KKF9GA-50E-H

**x** in the Part number indicates color/key configuration '**x**' = A (Rose), B (White), C (Yellow), D (Red), E (Orange), F (Violet), G (Gray), H (Blue), J (Brown), K (Aqua), L (Magenta), M (Green)

Note: For Bulk Keyed Splice On Connector Pack, Contact Customer Service: 1-800-934-5432

A B C D E F G H J K L M

# *Keyed Fiber Patch Cord Assembly Configurator*

| Performance Level | | | Connector | Connector | Polarity | Cable Diameter | Fiber Type | Jacket Color | Jacket Type | Packaging | Length | Unit of Measure | Concatenated Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PN# | L3 | - | KA | YA | B | 2 | O | Y | 2 | 1 | 010 | F | L1-0101B2OY21010F |

**Performance Level**

L1 - CORE

L3 - ULTRA

L4 - QUANTUM

**Cable Diameter**

2 - 2.0mm

3 - 3.0mm

**Jacket Color**

A - Aqua

Y - Yellow

**Connectors**

xA - Rose

xB - White

xC - Yellow

xD - Red

xE - Orange

xF - Violet

xG - Gray

xH - Blue

xJ - Brown

xK - Aqua

xL - Magenta

xM - Green

xU - Black

*Note: Replace x with K for Keyed and Y for Non-Keyed (Example: KA for Rose Keyed, or YA for Rose Non-Keyed)*

*Note: For Standard LC on one end use code 01 in the connectors column*

**Jacket Type**

2 - Riser Duplex

D - Plenum Duplex

1 - Riser Simplex

S -Plenum Simplex

**Packaging**

0 - Bag, NO Test Results

1 - Bag, Test Results

**Polarity**

B - A-B (Clipped) Standard

A - A-A (Clipped)

N - Non-Clipped

**Fiber Type**

E - OM4

D - OM3

J - OS2 Standard

O - OS2 Quantum

**Unit of Measure**

F - Feet

M - Meters

**Instructions**

Use the applicable feature tables, select the appropriate designation code and apply to the coordinating cell in the configurator.

Please Note: With hundreds of configuration options, this table has been condensed to the most common choices to simplify the trunk assembly configuration process

If you require other configuration options or assistance with designing the appropriate trunk for your application, please contact Legrand support.

***1.800.934.5432 | customerservice.DAT@legrand.us***

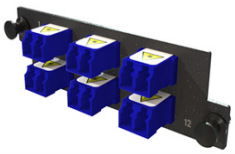
## *Keyed Fiber Adapter Panel Solutions*

Legrand keyed LC fiber adapter panels are available in configurations that are keyed on the front only (user's side) or on both sides (user's and technician's). The adapter panels are designed to fit Legrand Infinium HD rack mount enclosures, Infinium Modular Panels, Q-Series Rack mount and wall mount enclosures, and HDJ or TracJack Wall plates, and surface mount boxes for an end to end solution. Up to thirteen keys/ colors of connectors are possible with unique physical keying configurations.

## *Keyed Solutions for Infinium HD, M4, Rack Mount Enclosures and Panels*

**Infinium M4, Keyed Front Keyed Rear, HDFP Adapters – For Infinium HD M4 Enclosures**

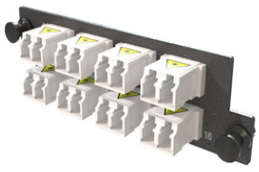
| Part Numbers | Description |
|---|---|
| HDFP-LCD12ZC-**x** | Infinium M4 HDFP Adapter Panel, 6 Keyed Front Keyed Rear LC Duplex Adapters, 12 Fiber |
| HDFP-LCD16ZC-**x** | Infinium M4 HDFP Adapter Panel, 8 Keyed Front Keyed Rear LC Duplex Adapters, 16 Fiber |



HDFP-LCD12YC-H

**Infinium M4, Keyed Front Non-Keyed Rear, HDFP Adapters – For Infinium HD M4 Enclosures**

| Part Numbers | Description |
|---|---|
| HDFP-LCD12YC-**x** | Infinium M4 HDFP Adapter Panel, 6 Keyed Front Non-Keyed Rear LC Duplex Adapters, 12 Fiber |
| HDFP-LCD16YC-**x** | Infinium M4 HDFP Adapter Panel, 8 Keyed Front Non-Keyed Rear LC Duplex Adapters, 16 Fiber |



HDFP-LCD16YC-B

**x** in the Part number indicates color/key configuration '**x**' = A (Rose), B (White), C (Yellow), D (Red), E (Orange), F (Violet), G (Gray), H (Blue), J (Brown), K (Aqua), L (Magenta), M (Green), U (Black)

A B C D E F G H J K L M U

## *HDFP PLATFORMS*

**Infinium HD Enhanced Enclosure - M4**

| Part Numbers | Description | RU | Max LC/RU | Adapters/ RU |
|---|---|---|---|---|
| INFC01U-M4-E | 1U Infinium High Density (HD) Enhanced Fiber Enclosure M4 Drawer Face | 1 | 96 | 4 |
| INFC02U-M4-E | 2U Infinium High Density (HD) Enhanced Fiber Enclosure M4 Drawer Face | 2 | 192 | 8 |
| INFC04U-M4-E | 4U Infinium High Density (HD) Enhanced Fiber Enclosure M4 Drawer Face | 4 | 384 | 16 |

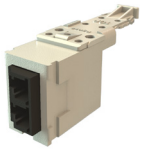


INFC02U-M4

## *Keyed Solutions for Infinium Modular Panels, HDJ Face Plates, or Surface Mount Boxes*

### Infinium, Keyed Front Keyed Rear, HDFM Adapters

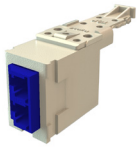
| Part Numbers | Description |
|---|---|
| HDFM-KLC2CX-00 | Infinium HD Fiber Module, Keyed Front Keyed Rear LC Duplex (2 Fibers), HDJ Insert, Black Housing |
| HDFM-KLC2CX | Infinium HD Fiber Module, Keyed Front Keyed Rear LC Duplex (2Fibers), HDJ Insert, Fog White Housing |



HDFM-KLC2CH-00

### Infinium, Keyed Front Non-Keyed Rear, HDFM Adapters

| Part Numbers | Description |
|---|---|
| HDFM-HLC2CX-00 | Infinium HD Fiber Module, Keyed Front Non-Keyed Rear LC Duplex (2 Fibers), HDJ Insert, Black Housing |
| HDFM-HLC2CX | Infinium HD Fiber Module, Keyed Front Non-Keyed Rear LC Duplex (2Fibers), HDJ Insert, Fog White Housing |



HDFM-HLC2CK-00

## *HDFM Modular Platforms*

### Infinium Modular Panel

| *Flat* | *Angled* | Description |
|---|---|---|
| PHDFMU48 | PHAFMU48 | 1U 48-Port HDJ Series Modular Panel w/label kit |



HDFM-KLC2CH-00

### HDJ Mixed Media Panel

| *Flat* | | *Angled* | | |
|---|---|---|---|---|
| Black | White | Black | White | |
| **Part Numbers** | | | | **Description** |
| PHDHJU24 | PHDHJU24-W | PHAHJU24 | PHAHJU24-W | 1U 24-Port HDJ Series Modular Panel |
| PHDHJU48 | PHDHJU48-W | PHAHJU48 | PHAHJU48-W | 1U 48-Port HDJ Series Modular Panel |
| PHDHJU72 | PHDHJU72-W | PHAHJU72 | PHAHJU72-W | 2U 72-Port HDJ Series Modular Panel |



PHAHJU48

### HDJ Workstation Face Plates

| Part Numbers | Description |
|---|---|
| 403HDJ11 | 1-Port Face Plate, HDJ Jack, Single-Gang |
| 403HDJ12 | 2-Port Face Plate, HDJ Jack, Single-Gang |
| 403HDJ13 | 3-Port Face Plate, HDJ Jack, Single-Gang |
| 403HDJ14 | 4-Port Face Plate, HDJ Jack, Single-Gang |
| 403HDJ16 | 6-Port Face Plate, HDJ Jack, Single-Gang |
| 403HDJ212 | 12-Port Face Plate, HDJ Jack, Dual-Gang |



403HDJ11

### HDJ Workstation Face Plates

| Part Numbers | Description |
|---|---|
| 404-HDJ1-XX | 1-Port HDJ Plastic Surface Mount Box, Plenum Rated |
| 404HDJ2-XX | 2-Port HDJ Plastic Surface Mount Box, Plenum Rated |
| 404HDJ4-99 | 4-Port HDJ Plastic Surface Mount Box, Ivory |
| 404HDJ4 | 4-Port HDJ Plastic Surface Mount Box, Fog White |

Note: Includes snap-in label fields. Standard color is Fog White. Replace -XX with -88 for White

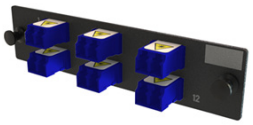


404-HDJ1-XX

## *Keyed Solutions for Q-Series Rack or Wall Mount Enclosures*

### Q-Series, Keyed Front Keyed Rear, OFP Adapters

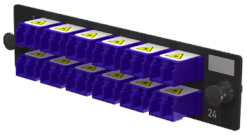
| Part Numbers | Description |
|---|---|
| OFP-LCD12ZC-**x** | Q-Series Keyed Front Keyed Rear OFP Adapter Panel, 6 LC Duplex Adapters, 12 Fibers |
| OFP-LCD16ZC-**x** | Q-Series Keyed Front Keyed Rear OFP Adapter Panel, 8 LC Duplex Adapters, 16 Fibers |
| OFP-LCD24ZC-**x** | Q-Series Keyed Front Keyed Rear OFP Adapter Panel, 12 LC Duplex Adapters, 24 Fibers |



OFP-LCD12ZC-H

### Q-Series, Keyed Front Non-Keyed Rear, OFP Adapters

| Part Numbers | Description |
|---|---|
| OFP-LCD12YC-**x** | Q-Series Keyed OFP Keyed front Non-Keyed Rear Adapter Panel, 6 LC Duplex Adapters, 12 Fibers |
| OFP-LCD16YC-**x** | Q-Series Keyed front Non-Keyed Rear OFP Adapter Panel, 8 LC Duplex Adapters, 16 Fibers |
| OFP-LCD24YC-**x** | Q-Series Keyed OFP Keyed front Non-Keyed Rear Adapter Panel, 12 LC Duplex Adapters, 24 Fibers |



OFP-LCD24ZC-H

**x** in the Part number indicates color/key configuration '**x**' = A (Rose), B (White), C (Yellow), D (Red), E (Orange), F (Violet), G (Gray), H (Blue), J (Brown), K (Aqua), L (Magenta), M (Green), U (Black)

A B C D E F G H J K L M U

## *Platforms for Keyed OFP Adapters*

### Q-Series Rack Mount Enclosure

| Part Numbers | Description | Rack Units | Max LC Port Count | Max Cassette Count |
|---|---|---|---|---|
| EQ01U-CHC | Enclosure, Q-Series, Rackmount, 1U | 1 | 72 | 3 |
| EQ02U-CHC | Enclosure, Q-Series, Rackmount, 2U | 2 | 144 | 6 |
| EQ04U-CVC | Enclosure, Q-Series, Rackmount, 4U | 4 | 288 | 12 |



EQ02U-CHC

## *Platforms for Keyed OFP Adapters*

**Q-Series Wall Mount Enclosure**

| Part Numbers | Description | Max Fiber Count | Max LC Port Count | Max Panel Count |
|---|---|---|---|---|
| WQS-02P | Q-Series 2 Panel Standard Density (SD) Wall Mount Fiber Enclosure | 48 | 48 | 2 |
| WQS-04P | Q-Series 4 Panel Standard Density (SD) Wall Mount Fiber Enclosure | 96 | 96 | 4 |
| FST4-F012C | Q-Series, Compact 12 Fiber Splice Tray | 12 | | |
| WQS-STB | Q-Series Compact 12 Fiber Splice Tray Mounting Bracket (Order Separately From: FST4-F012C) | | | |

## *Legrand FiberSolutions & Legrand Transceivers*

**Finding the correct transceiver for any application is fast and simple.**

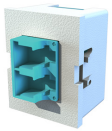


Legrand transceivers, powered by Integra, are TAA compliant and capable of all functions and features supported by their OEM counterparts. Each transceiver is rigorously tested to ensure 100% compatibility with the same equipment as their OEM equivalents. Legrand offers over 4000 transceivers for shipping within 1-3 business days—finding the correct transceiver for any application is fast and simple.

# *Keyed Solutions for TracJack Faceplates and Surface Mount Boxes*

### TrackJack, Keyed Front Keyed Rear, Flush Module – For TracJack Face Plates & Surface Mount Boxes

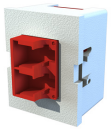
| Part Numbers | Description |
|---|---|
| KTJ-2FALC2C**x** | TracJack Module, Keyed Front Keyed Rear LC Duplex (2 Fibers), Multimode Adapters, 180 Degree Exit, Flush Mount |



KTJ-2FALC2CK

### TrackJack, Keyed Front Non-Keyed Rear, Flush Module – For TracJack Face Plates & Surface Mount Boxes

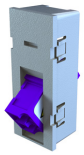
| Part Numbers | Description |
|---|---|
| KTJ-1FALC2C**x** | TracJack Module, Keyed Front Non-Keyed Rear LC Duplex (2 Fibers), Multimode Adapters, 180 Degree Exit, Flush Mount |



KTJ-1FALC2CD

### TrackJack, Keyed Front Keyed Rear, Angled Module – For TracJack Face Plates & Surface Mount Boxes

| Part Numbers | Description |
|---|---|
| KTJ-2ACLC2C**x** | TracJack Module, Keyed Front Keyed Rear LC Duplex (2 Fibers) Multimode Adapters, 45 Degree Angled Exit |



KTJ-2ACLC2CF

### TrackJack, Keyed Front Non-Keyed Rear, Angled Module – For TracJack Face Plates & Surface Mount Boxes

| Part Numbers | Description |
|---|---|
| KTJ-1ACLC2C**x** | TracJack Module, Keyed Front Non-Keyed Rear LC Duplex (2 Fibers) Multimode Adapters, 45 Degree Angled Exit |



KTJ-1ACLC2CA

**x** in the Part number indicates color/key configuration '**x**' = A (Rose), B (White), C (Yellow), D (Red), E (Orange), F (Violet), G (Gray), H (Blue), J (Brown), K (Aqua), L (Magenta), M (Green), U (Black)

A B C D E F G H J K L M U

## *Keyed Solutions for TracJack Faceplates and Surface Mount Boxes*

### TracJack Stainless Steel Faceplates

| Part Numbers | Description |
|---|---|
| 403STJ11 | 1-Port TracJack Single-Gang Stainless Steel Faceplate |
| 403STJ12 | 2-Port TracJack Single-Gang Stainless Steel Faceplate |
| 403STJ13 | 3-Port TracJack Single-Gang Stainless Steel Faceplate |
| 403STJ14 | 4-Port TracJack Single-Gang Stainless Steel Faceplate |
| 403STJ15 | 5-Port TracJack Single-Gang Stainless Steel Faceplate |
| 403STJ16 | 6-Port TracJack Single-Gang Stainless Steel Faceplate |
| 403STJ17 | 7-Port TracJack Single-Gang Stainless Steel Faceplate |



403STJ11

### TracJack Plastic Faceplates

| Part Numbers | Description |
|---|---|
| 40300549 | 1-Port TracJack Single-Gang Plastic Faceplate |
| 40300548 | 2-Port TracJack Single-Gang Plastic Faceplate |
| 40300547 | 3-Port TracJack Single-Gang Plastic Faceplate |
| 40300546 | 4-Port TracJack Single-Gang Plastic Faceplate |
| 40300545 | 6-Port TracJack Single-Gang Plastic Faceplate |
| 40300555 | 6-Port TracJack Double-Gang Plastic Faceplate |
| 40300554 | 8-Port TracJack Double-Gang Plastic Faceplate |
| 40300620 | 12-Port TracJack Double-Gang Plastic Faceplate |

Note: Available in multiple colors – Visit www.legrand.us to view all options



40300549

## *Keyed Solutions for TracJack Faceplates and Surface Mount Boxes*

### TracJack Surface Mount Boxes

| Part Numbers | Description |
|---|---|
| 404TJ1 | 1-Port TracJack, Plenum Rated |
| 404TJ2 | 2-Port TracJack, 2.59" x 2.27" x 1.20", Plenum Rated |
| 404TJ4 | 4-Port TracJack, 4.80" x 3.6" x 1.16" |
| 404TJ2X2 | 4-Port TracJack, 4.0" x 2.42" x 1.16", Jacks Exit From Both Sides |

Note: Available in multiple colors – Visit www.legrand.us to view all options



404TJ4

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