# PRODUCT AND SOLUTIONS GUIDE ›
## Connected Enterprise Solutions
## Sub Saharan Africa

**Q2 2024**

molex

# Connected Buildings ›

**For over 30 years, Molex has specialized in developing products and solutions to enable better networks. From office spaces to production lines, data centers to multi-site campuses, your network designs will perform better and last longer with Molex technology.**

**Our high quality, end-to-end structured cabling solutions connect businesses with their mission critical applications.**

# Transforming the way global businesses approach IT infrastructure

## Partner of Choice

Molex Connected Enterprise Solutions is part of the Molex group, which is a subsidiary of Koch Industries. Molex is globally recognized in a wide range of industries including data communications, consumer electronics, industrial, automotive, commercial vehicle and medical. We strive to develop the latest production techniques and manufacturing equipment to ensure consistent high-quality products and fast response to your requirements.

With design and manufacturing facilities and local teams around the world, we trade directly into more than 100 countries, providing a truly global solution.

## Why Choose Molex?

**Molex Accreditations**

Our worldwide manufacturing sites are certified to the ISO 14001 environmental management system standard, which requires that a broad range of environmental processes and policies be in place to minimize environmental impact and maintain compliance with environmental regulations. All our products are certified to the relevant national and international standards.

**25-Year Warranty**

We're proud of our own manufacturing standards, as well as the quality of work provided by our global Certified Installer network. So proud in fact, that our structured cabling products enjoys a 25-year System Performance and Application Assurance Warranty. It's simple and fuss-free, providing you with the confidence, technical excellence and long-term financial security you demand for your business.

**Ecocare**

As a responsible corporate citizen, we are committed to using environmentally conscious practices during the design and manufacture of our products. These environmental practices are designed to ensure that Molex is developing sustainability through environmental preservation activities.

**Trust, Integrity and Support**

Integrity and trust are fundamental to the Molex way of life. Our Market Led Management philosophy puts you first, configuring solutions around your specific requirements. We only develop relationships with companies who demonstrate a commitment to the same exemplary standards as us. This means you can expect the highest quality of service throughout the process and for the full lifespan of your network.

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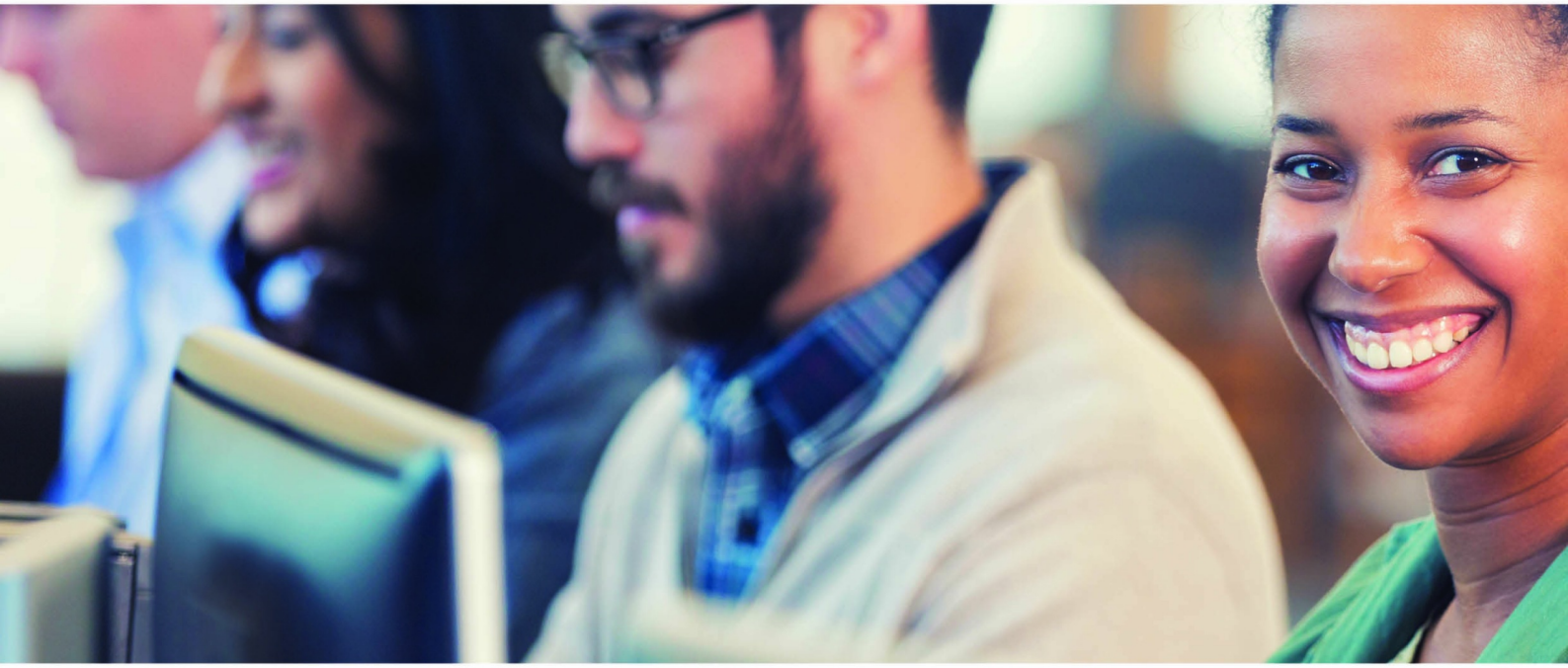
# Reliable product performance ›



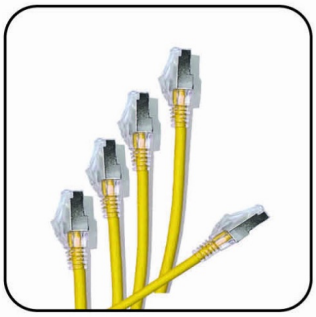
**Copper based cabling technology continues to evolve to meet changing requirements. Cat 6A offers a fast transmission speed with less crosstalk and is effective at longer distances. This superior level of performance is ideal for organizations looking to create a robust, future-ready infrastructure.**

**Based on the Cat 6A standard, Power-over-Ethernet addresses the world's rising demand for inter-device connectivity.**

# Copper Solutions

## Reliable and Cost Effective

Our products have been tested in the laboratory and in the field to ensure they meet or exceed all the relevant standards including ISO/IEC, ANSI/TIA and any local regulations.



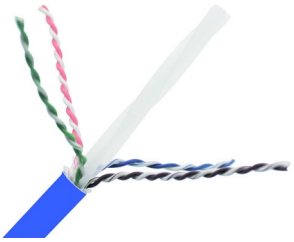
## Power over Ethernet

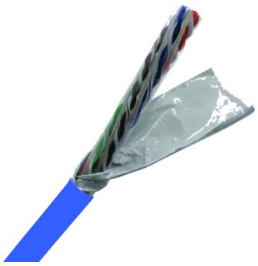
Power-over-Ethernet provides a convenient and cost-effective approach to deliver both power and data connectivity over a single connection, integrating multiple devices and sensors into one network.

## Comprehensive Solution

Our extensive range has been developed with direct feedback from installers, consultants and end users to ensure we have the solutions to every type of project.

# Copper Solutions PowerCat 6A Unshielded





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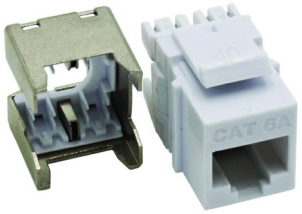
### PowerCat 6A UTP LS0H Cable Gen II

The PowerCat 6A UTP LS0H Cable is specifically designed to support high-speed data network applications such as 10GBASE-T. The innovative design includes a double thermoplastic polymer, aluminum foil tape wrap surrounding the pairs, which provides excellent Alien Crosstalk defense. The low diameter of the cable allows for easier handling and higher cable density in containment, reducing cost. The product is 3rd party verified to ANSI/TIA-568.2-D and ISO 11801 Category 6A standards. This cable is part of our PowerCat 6A System which is suitable for the most demanding PoE Applications.

- Supports up to 500MHz frequency
- Noise canceling isolation wrap surrounds the pairs for AXT protection
- IEEE 802.3bt-2018 PoE compliance
- ANSI-568.2-D and ISO-11801:2017 standards verified, ensuring reliability for high bandwidth mission-critical applications
- Easy to install. No drain wire, grounding or bonding required
- Low outer cable diameter 7.2mm nominal
- PoE Compliant with IEC 802.3bt from Type 1 to Type 4 as part of a Molex C6A System

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00445-BL | 1810000034 | PowerCat 6A UTP LS0H Cable 500m reel, Blue |
| CAA-00445-GR | 1810000035 | PowerCat 6A UTP LS0H Cable 500m reel, Green |



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### PowerCat 6A UTP Keystone Jack Gen II

The product is designed to comply with the transmission performance of ANSI/TIA-568.2-D:2018 and ISO/IEC 11801:2017 Augmented Category 6A. The Keystone Jack design is a popular, universal dimension that fits into a wide range of wall outlet and enclosure products. The PowerCat 6A UTP jack is designed to achieve the high level of functionality required for high-speed 10 Gbps data transmission. The product is also backward compatible with Category 6 and 5e systems. The Category 6A UTP Keystone Jack is 3rd party tested and verified for transmission performance, safety and PoE+ compliance. The C6A UTP Keystone Jack Gen II is designed to be terminated by 4 Pair Termination Tool designed specifically for compatibility with the the Gen II C6A UTP jack. The tool is a robust, reliable product offering fast, fault-less gas-tight termination of all four pairs of solid cable simultaneously.

- Popular Keystone design
- 568A or 568B wiring options
- Rear metal cable retention cap provides alien crosstalk protection
- Transmission performance independently verified
- Designed for high-speed transmission performance
- Compatible with Molex range of Keystone Jack work area outlets and patch panels

| Order No. | SAP No. | Description |
|---|---|---|
| KSJ-00099-02 | 1810020009 | Keystone Jack C6A UTP 568A/B Gen II - White |
| KSJ-00099-04 | 1810020010 | Keystone Jack C6A UTP 568A/B Gen II - Black |
| KSJ-00099-05 | 1810020011 | Keystone Jack C6A UTP 568A/B Gen II - Ivory |
| KSJ-00099-08 | 1810020012 | Keystone Jack C6A UTP 568A/B Gen II - Gray |
| KSJ-00099-BL | 1810020013 | Keystone Jack C6A UTP 568A/B Gen II - Blue |
| KSJ-00099-RD | 1810020014 | Keystone Jack C6A UTP 568A/B Gen II - Red |
| KSJ-00099-YL | 1810020015 | Keystone Jack C6A UTP 568A/B Gen II - Yellow |

# Copper Solutions PowerCat 6A Unshielded

Keystone Jack
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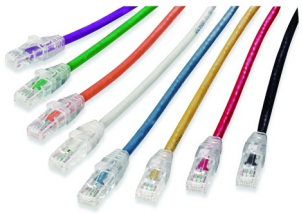
### Keystone Patch Panel

The Molex Keystone panel provides an unloaded panel that can be loaded with the Molex range of Keystone UTP jacks. Keystone patch panels are designed to be loaded with individual jacks allowing for easy maintenance if jacks have to be removed or replaced. Suitable for small installations with the feature of expanding for future upgrades.

- 1U 24 Port
- Standard 19" rack mount
- Unloaded Keystone Aperture
- Universal front labeling system that accepts 13mm commercial labels for a professional appearance
- Accommodates PowerCat 6 and PowerCat UTP Keystone jacks

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00257 | 182960014 | 24 Port Keystone Jack Patch Panel 1U Unloaded - Metric fixing kit |
| PID-00289 | 182960027 | 48 Port Keystone Jack Patch Panel 2U Unloaded - Metric fixing kit |
| KSJ-00064-** | Consult Molex | Keystone Blank |
| CSP-00039 | 181170026 | Spare Fixing Kit for PID-00257 or PID-00289 includes both Metric and Imperial Fittings |

** Color Options: 02 =White, 04 = Black



### PowerCat 6A UTP Patch Cord

Molex PowerCat 6A Patch Cords are designed to support high speed 10GBASE-T networks and are backward compatible with 10/100/1000BASE-T networks. The patch cable is made from high quality four pair 26 AWG stranded copper wire. Available in a range of colors and lengths, PowerCat 6A patch cords are pre-terminated with RJ45 plugs and feature anti-snag slim strain relief slip on boots.

- 4 pair 26 AWG stranded copper wire
- Pre-terminated with UTP RJ45 plugs
- Slim clear anti-snag slip on boots
- Suitable for EIA 568A or 568B wiring
- LS0H sheath
- 10G Performance when installed as a complete PowerCat 6A UTP System

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-09101-** | Consult Molex | PowerCat 6A UTP Patch Cord LS0H 1m |
| PCD-09102-** | Consult Molex | PowerCat 6A UTP Patch Cord LS0H 2m |
| PCD-09103-** | Consult Molex | PowerCat 6A UTP Patch Cord LS0H 3m |
| PCD-09105-** | Consult Molex | PowerCat 6A UTP Patch Cord LS0H 5m |
| PCD-09107-** | Consult Molex | PowerCat 6A UTP Patch Cord LS0H 7m |
| PCD-09110-** | Consult Molex | PowerCat 6A UTP Patch Cord LS0H 10m |

** Color options: 0C=Red, 0E=Gray, 0H=Blue, 0J=Green, 0K=Yellow, 0W=White, 0P=Purple, 0N=Orange, BK=Black.

# Copper Solutions PowerCat 6A Shielded

### PowerCat 6A Shielded Patch Cords

Molex PowerCat 6A Shielded Patch Cords are key components of the PowerCat 6A shielded end-to-end solution. Designed to support high speed 10GBASE-T networks, they are also backward compatible with 10/100/1000BASE-T networks. The patch cable is made from high quality four pair 26 AWG stranded copper wire. The patch cords are pre-terminated with RJ45 plugs and feature anti-snag slim strain relief slip on boots.

- 4 pair 26 AWG shielded stranded copper cable
- Pre-terminated with RJ45 plugs
- Slim clear anti-snag slip on boots
- Suitable for ANSI/TIA-568B wiring applications
- LS0H jacket
- 10G Performance when installed as a complete PowerCat 6A Shielded System
- Available in a range of colors and lengths

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-07068-** | Consult Molex | PowerCat 6A Shielded Patch Cord 568A/B, LS0H - 0.25m |
| PCD-07064-** | Consult Molex | PowerCat 6A Shielded Patch Cord 568A/B, LS0H - 0.5m |
| PCD-07000-** | Consult Molex | PowerCat 6A Shielded Patch Cord 568A/B, LS0H - 1m |
| PCD-07061-** | Consult Molex | PowerCat Shielded Patch Cord 568A/B, LS0H - 1.5m |
| PCD-07001-** | Consult Molex | PowerCat 6A Shielded Patch Cord 568A/B, LS0H - 2m |
| PCD-07002-** | Consult Molex | PowerCat 6A Shielded Patch Cord 568A/B, LS0H - 3m |
| PCD-07004-** | Consult Molex | PowerCat 6A Shielded Patch Cord 568A/B, LS0H - 5m |
| PCD-07006-** | Consult Molex | PowerCat 6A Shielded Patch Cord 568A/B, LS0H - 7m |
| PCD-07009-** | Consult Molex | PowerCat 6A Shielded Patch Cord 568A/B, LS0H - 10m |

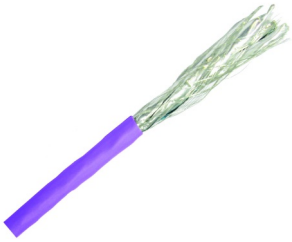
** Color Options - 0C = Red, 0E = Gray, 0H = Blue, 0J = Green, 0K = Yellow, 0W = White, 0P = Purple, 0N = Orange, BK = Black Other lengths are available, please contact your local Molex team for more information.

### PowerCat 6A U/FTP Cable

Enhanced performance, individually screened 4-pair U/FTP LS0H cable. Supports high speed data network applications such as 10-Gigabit Ethernet (10GBASE-T). Minimizes alien crosstalk, provides excellent signal isolation and provides superior electromagnetic interference (EMI) protection. This cable is part of our PowerCat 6A System which is suitable for the most demanding PoE applications.

- Supports high speed data network applications such as 10-Gigabit Ethernet (10GBASE-T)
- Enhanced performance individually foilscreened 4 pair U/FTP LS0H cable
- Minimizes alien crosstalk, provides excellent signal isolation and provides superior electromagnetic interference
- (EMI) protection
- Resistant to alien crosstalk
- Color coded for ease of termination
- 500m Reel
- PoE compliant with IEC 802.3bt from Type 1 to Type 4 as part of a Molex C6A System

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00413-VL | 183020040 | PowerCat 6A U/FTP LS0H Cable B2ca-s1a,d1,a1 Violet 500m |
| CAA-0322L-VI | 183020033 | PowerCat 6A U/FTP LS0H Cable, Dca-s1,d2,a1, Violet - 500m |



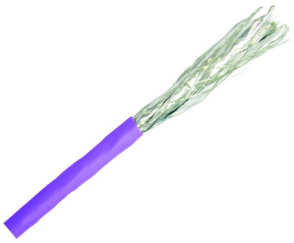
### Category 7 S/FTP Cable

Category 7 S/FTP Cable (each pair has individual shield plus a common shield for the cable made of tinned copper braid) is a complementary product for shielded PowerCat 6 and PowerCat 6A (with limitations) systems. The cable is suitable for horizontal cabling in high speed data transmission networks as well as vertical cabling for data. Small outer diameter, high flexibility and superior electrical performance are key features of the product. This cable is part of our PowerCat 6A System which is suitable for the most demanding PoE Applications.

- Transmission performance C7 in a 1-600MHz range as per IEC 61156-5
- Provides significant margins for NEXT, PowerSum NEXT, PowerSum ELFEXT
- Alien NEXT is significantly reduced so it can be used for 10G Application
- Small outer diameter, high flexibility
- 1000m lengths on wooden, fully recyclable reels
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria
- PoE Compliant with IEC 802.3bt from Type 1 to Type 4 as part of a Molex C6A System

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00358 | 183530002 | Category 7 S/FTP LS0H Cable Dca-s1a,d1,a1 Violet - 1000m |

# Copper Solutions PowerCat 6A Shielded

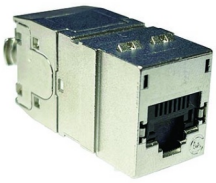


### PowerCat 7A S/FTP Cable

Category 7A S/FTP Cable (each pair has individual foil screens plus a common shield for the cable made of tinned copper braid) is a complementary product for shielded PowerCat 6 and PowerCat 6A (with limitations) systems. The cable is suitable for horizontal cabling in high speed data transmission networks as well as vertical cabling for data. Small outer diameter, high flexibility and superior electrical performance are key features of the product. This cable is part of our PowerCat 6A System which is suitable for the most demanding PoE Applications.

- Transmission performance C7A in a 1-1000MHz range as per IEC 61156-5
- Provides significant margins for NEXT, PowerSum NEXT, PowerSum ELFEXT
- Alien NEXT is significantly reduced so it can be used for 10G Application
- Small outer diameter, high flexibility
- Delivered in 500m lengths on wooden, fully recyclable reels
- PoE Compliant with IEC 802.3bt from Type 1 to Type 4 as part of a Molex C6A System

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00360 | Consult Molex | Category 7A S/FTP Cable, 4 Pairs 1.2GHz LS0H, Dca-s1a,d1,a1 Violet - 500m reel |



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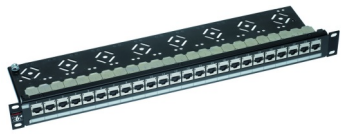
### PowerCat 6A DataGate Shielded Straight and Side Entry Jack

The PowerCat 6A DataGate jack offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilizing robust die cast zinc alloy jack body housing. This shielded jack also features a unique spring loaded shutter that not only protects it from dust and contaminates, but the ingenious spring loaded design also ejects improperly seated patch cords. The shielded jack is dual colour coded for either 568A or 568B wiring schedules. The Molex C6A DataGate RJ45 360 ° shielded jack accommodates flexible cable routing by allowing 90 ° or 180 ° cable entry. The PowerCat 6A DataGate Shielded Jack was specifically designed for highspeed 10GB data transmission. This unique modular jack is also backwards compatible with Shielded C6 and C5e systems. Molex recommends that the full range of PowerCat 6A Shielded products be used in an end-to-end system to maximize cabling performance. This system is compliant with the ISO/IEC 11801 Amd 1 and ANSI/TIA-568.2-D requirements for the support of 10GBASE-T transmission.

- Robust die cast zinc alloy housing
- 360°Shielded
- Accommodates flexible cable routing by allowing 90 ° or 180 ° cable entry
- Dual Color coding allows 568A/B wiring
- Patented IDC (insulation displacement contact) V-shaped contacts that flex not fatigue when terminated
- Spring-Loaded Shutter
- Accepts color coded port identification labels
- Category 6A performance when installed as a complete PowerCat Shielded System
- Spring loaded cable/drain wire clamp
- Cable can be terminated in 3 directions – Straight, on left or right side of jack
- Complies with ISO/IEC 11801 and TIA Cat 6A channel and PL requirements
- Jack can be terminated with 4 Pair Termination Tool or standard IDC Punch Down Tool
- RoHS Compliant
- Molex DataGate jacks may accommodate both solid (AWG22 to AWG24) and stranded (AWG26) cables

| Order No. | SAP No. | Description |
|---|---|---|
| KSJ-00096-** | Consult Molex | PowerCat 6A DataGate Shielded Straight and Side Entry Jack |

** Color options: 01 - Almond, 02 - White, 04 - Black, 05 - Ivory, 08 - Gray, BL - Blue, GR - Green, RG - Orange, PP - Purple, RD - Red, YL - Yellow ** Please note: While termination of the jack is possible with the 110 punch-down tool, tight tolerances within the outlet design could result in an unintentional short between the conductor wires and the metal housing. Therefore, Molex strongly recommends the use of the 4-pair termination tool to ensure even, consistent terminations, and minimize the risk of this occurring.



Termination Tool
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### PowerCat 6A Shielded Patch Panels

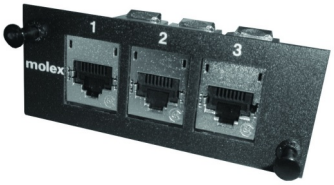
PowerCat 6A Patch Panels features the unique DataGate shielded connector. This shielded connector offers superior alien crosstalk suppression, excellent insertion loss protection and provides enhanced electromagnetic interference (EMI) protection by utilizing robust die-cast zinc alloy connector body housing. Patch Panels are made from robust sheet metal and are supplied with removable rear cable management trays for cable strain relief and neat cable dressing, front and rear port numbering and individual ports may be color coded using connector icon labels for site specific network administration.

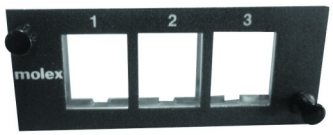
- 24 Ports 1U & 48 Port 2U
- EIA 568A/B wired
- Standard 19" rack mount
- IDC contacts that flex not fatigue when terminated
- Pointed IDC towers to speed termination and enhance cable retention
- Integral cable management shelf ensure bend radius compliance
- Grounding screws included

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00217 | 182960000 | PowerCat 6A 24 Port Patch Panel 568A/B Shielded - 1U |
| PID-00219 | 182960002 | PowerCat 6A 48 Port Patch Panel 568A/B Shielded - 2U |
| PID-00218 | 182960001 | PowerCat 6A 24 Port Angled Patch Panel 568A/B Shielded - 1U |
| PID-00220 | 182960003 | PowerCat 6A 48 Port Angled Patch Panel 568A/B Shielded - 2U |
| **Accessories** | | |
| CSP-00021-** | Consult Molex | Blank Connector Icon Labels 6-Pack (Bag of 10) |

** Color Options - 01 = Almond, 02 = White, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple. All colors may be subject to availability and variable pricing.

# Copper Solutions PowerCat 6A Shielded



Multi-Function Enclosure Page 48


### PowerCat 6A Unloaded DataGate Adapter Plate

The Unloaded Adapter Plate 3 x C6A DataGate Jacks is designed for applications where fiber and copper are required in a single panel. The Adapter Plate is designed to accept the DataGate Category 6A Jack (part number KSJ-00096-**) and snap fits into the Multi-Functional or Specification Grade Fiber Optic Panels. The Adapter Plate can also be combined with Fiber Optic 6 Fiber Adapter Plates for multi-media applications.

- Accommodates 3 x PowerCat 6A DataGate Jacks
- For use within Molex Multi-Functional or Specification Grade Fiber Panels
- Allows multi-media flexibility within a single enclosure/panel

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00441 | Consult Molex | Adapter Plate 3x PowerCat 6A DataGate (with grounding screws) unloaded |

### PowerCat 6A Slim 28 AWG Shielded Patch Cords, LS0H

Molex Slim Shielded LS0H Patch Cords support Category 6A systems utilizing 28 AWG low diameter cable to reduce patch cord congestion in high density installations. Molex PowerCat 6A Slim Patch Cords are designed to support high-speed 10GBASE-T networks and offer a 35% space saving compared with standard Molex 26 AWG C6A Patch Cords. The Slim version allows for easier management and improved airflow between patched ports in high-density patching installations. The lower diameter cord makes visibility of individual plugs and ports clearer and provide improved access for patching.

- Low 5.2mm outer diameter reduces patching congestion
- Offers 35% space saving compared with standard 26 AWG cords
- Better port number visibility
- Improved access to patch plugs
- Improved airflow
- Ideal for high-density patching areas in data centers where long channel lengths are not a requirement
- Category 6A performance
- Supports IEEE 802.3 type 1,2,3 & 4 (follow installation guidance)
- 4 Pair 28 AWG stranded copper wire foil shielded LS0H sheath
- High performance C6A shielded plugs
- Consult Molex Technical Services for design and implementation guidance.

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-7030A-0* | Consult Molex | PowerCat 6A Slim 28 AWG Shielded Patch Cord LS0H 0.5m |
| PCD-70301-0* | Consult Molex | PowerCat 6A Slim 28 AWG Shielded Patch Cord LS0H 1m |
| PCD-7030B-0* | Consult Molex | PowerCat 6A Slim 28 AWG Shielded Patch Cord LS0H 1.5m |
| PCD-70302-0* | Consult Molex | PowerCat 6A Slim 28 AWG Shielded Patch Cord LS0H 2m |
| PCD-7030C-0* | Consult Molex | PowerCat 6A Slim 28 AWG Shielded Patch Cord LS0H 2.5m |
| PCD-70303-0* | Consult Molex | PowerCat 6A Slim 28 AWG Shielded Patch Cord LS0H 3m |
| PCD-70305-0* | Consult Molex | PowerCat 6A Slim 28 AWG Shielded Patch Cord LS0H 5m |
| PCD-70307-0* | Consult Molex | PowerCat 6A Slim 28 AWG Shielded Patch Cord LS0H 7m |
| PCD-70310-0* | Consult Molex | PowerCat 6A Slim 28 AWG Shielded Patch Cord LS0H 10m |

* Color Options - C = Red, E = Gray, H = Blue, K = Yellow, J = Green. Note: Conditions apply when installing these cords in a 4-connector channel with EU cable part no. CAA-00413-VL. Contact Molex Technical Support for installation design guidance.

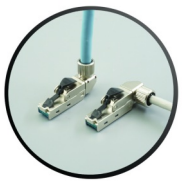
# Copper Solutions PowerCat 6A Shielded

### PowerCat 6A Solid Cable Assemblies

Molex PowerCat 6A shielded solid cable assemblies are ideal for consolidation point cabling or as equipment cords within a PowerCat 6A shielded end-to-end solution. The PowerCat 6A shielded solution is specifically designed to support secure-high speed 10GBASE-T networks and is backward compatible with 10/100/1000BASE-T networks. Cable assemblies are made from high quality shielded four pair 23 AWG solid copper wire and are pre-terminated with RJ45 plugs and feature anti-snag slip on boots.

- 4 pair 23 AWG solid copper wire
- Pre-terminated with RJ45 shielded plugs
- Anti-snag slip on boots
- ANSI/TIA-568B wiring
- LS0H sheath
- 10G Performance when installed as a complete PowerCat 6A Shielded System

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-07054-VL | 183160844 | PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, 4m |
| PCD-07055-VL | 183160845 | PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, 6m |
| PCD-07056-VL | 183160846 | PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, Violet, 8m |
| PCD-07057-VL | 183160847 | PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet,10m |
| PCD-08000-0P | 183270077 | PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet,15m |
| PCD-07058-VL | 183160848 | PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet, 20m |
| PCD-08001-0P | 183270078 | PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet, 25m |
| PCD-07059-VL | 183160849 | PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet, 30m |
| PCD-08002-0P | 183270079 | PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet, 35m |
| PCD-07060-VL | 183160850 | PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet, 40m |
| PCD-08003-0P | 183270080 | PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet, 50m |
| PCD-08004-0P | 183270081 | PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet, 60m |

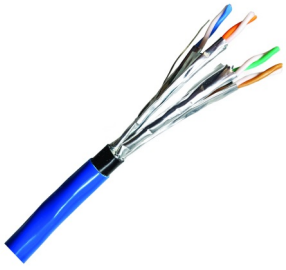


### PowerCat 6A Field Termination Plug

Molex's Category 6A field terminable plug is designed to support 10 Gigabit networks and can be easily terminated using parallel jaw pliers. Termination is accomplished by placing the conductors into the proper wire slots in the wire cap. Placing the wire cap onto the plug, using pliers to squeeze the wiring cap. All eight conductors are simultaneously terminated when the wire cap is squeezed. This process ensures quick, consistent, reliable terminations.

- Ideal for use to provide high-bandwidth wireless access points and other IP-enabled devices such as: Surveillance cameras and infrastructure monitoring
- Ideal in data centers, premise network applications and premise automation
- Accommodates diameter conductors from 22-26 AWG solid wire
- Meets TIA-568-C.2 Category 6A component performance, Cat 5e, Cat6 and Cat6A Direct Attach link and channels

| Order No. | SAP No. | Description |
|---|---|---|
| KSP-00001 | 183010086 | Category 6A Field Termination Plug |
| KSP-00002 | 180190012 | Category 6A Field Termination Plug, STP, Right Angle |



### PowerCat 6A U/FTP C6A Outside Cable

The Molex CAA-00418 is an outside plant Gel-Filled Category 6A 4 Pair U/FTP cable. A HDPE compound insulates the cores while a PE (UV) sheath provides protection against moisture and UV. An additional nylon outer jacket provides protection against abrasion and termites. The rugged construction of this cable makes it ideal for outdoor/ underground installations.

- Category 6A compliant
- UV resistant
- Suitable for outdoor/underground Installations
- Water resistant gel-filled design

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00418 | 183020048 | Cat6A U/FTP Gel Filled Outdoor PE Cable Nylon Fca Blue 305m |

# Copper Solutions PowerCat 6A Shielded

### PowerCat 6A Pre-Terminated Cable Assemblies

Molex PowerCat 6A Shielded Pre-Term cable assemblies are ideal for use in data centers and high speed network environments. The PowerCat 6A pre-terminated shielded assemblies are designed to support secure-high speed 10GBASE-T and is backward compatible with 10/100/1000BASE-T networks. These cable assemblies are made from high quality Cat 6A U/FTP 4-pair shielded 23AWG solid copper wire and are pre-terminated to robust die cast zinc DataGate C6A shielded shuttered jack which provide superior alien crosstalk (AXT) suppression, and provides enhanced electromagnetic interference (EMI) protection. These pre-term cable assemblies are available as jack-to-jack, plug-to-jack, or plug-to-plug. The six individual cables are bundled together with spiral wrapping placed every meter.

- Factory terminated and tested
- Up to 80% faster to install than traditional field installation
- Fully compliant with ISO/IEC 11801 Amd.1 and Amd.2 Ed. 2.0 Class EA
- Pre-terminated PowerCat 6A
- LS0H sheath
- 10G Performance when installed as a complete PowerCat 6A Shielded System
- RoHS Compliant
- Field AXT testing not required because cables are compliant by design
- Cable bundles with pulling eye available upon request.

**P C P T 6 A S X X X X X**

**Family**

**Copper Cable Category**

**Length (meters)**
JJ** = Jack-to-Jack 10-90 meters (1 meter increments)
JP** = Jack-to-Plug 05-20 meters (1 meter increments)
PP**= Plug-to-Plug 10-90 meters (1 meter increments)

**Pulling Eye**
Z = No Pulling Eye
E = Pulling Eye

**Shielded**

Example: to order a Cat 6A shielded jack-to-jack bundle of 6 cables 32 meter LS0H pre-term assembly without pulling eye, the part number would be PCPT6ASZJJ32

| Order No. | SAP No. | Description |
|---|---|---|
| PCPT6ASXXXXX | Consult Molex | PowerCat 6A Pre-Terminated Cable Assemblies |

### PowerCat Unloaded DataGate Panels

Molex PowerCat Unloaded DataGate Patch Panels can be configured to provide the exact number of modular ports required. DataGate Category 5e UTP, Category 6 UTP, or Category 6A shielded jacks can be terminated to cable and then snapped into this DataGate patch panel. The patch panel and rear cable manager are constructed of cold-rolled steel for strength and durability.

- Available in 1U 24P Flat, 1U 24P Angled, 2U 48P Flat, 2U 48P Angled
- Easy snap in DataGate UTP or Shielded Jacks (sold separately)
- Modularity provides installation flexibility
- Front portable labeling
- Individually removable patch panel ports
- Removable cable management shelves ensure bend radius compliance
- ANSI and metric hardware kit included
- Grounding screws included

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00258 | 180810031 | PowerCat 24 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 1U - Black |
| PID-00259 | 180810032 | PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U - Black |
| PID-00260 | 180810033 | PowerCat 48 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 2U - Black |
| PID-00261 | 180810034 | PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U - Black |
| KSJ-00005-0* | Consult Molex | Single Position Blank Module (Bag of 25) |

* Color Options - 2 = White, 4 = Black

# Copper Solutions PowerCat 6A Shielded

### 1U 24 Port, Angled Keystone Jack Aperture, Unloaded Patch Panel

The Molex 1U 24 Port patch panel with angled, staggered Keystone Jack apertures is ideal for high density installations which utilize side of rack/cabinet cable management. The angled port design orientates the shielded or UTP Keystone jack at 15 degrees while the panel itself is a linear design, rather than a V-shape. The staggered, angled jack positions eliminate the need for an additional horizontal cable management panel, while maintaining optimized patch cord bend radius. The innovative panel design maintains an even, level aesthetic in rack/cabinet layouts where a mix of active equipment and patch panels are included. The panel is finished in black with white port numbering for easy site administration, and is supplied with a robust rear cable management tray, designed to support 24 UTP or shielded cables. An earth cable is provided for shielded installations.

- Eliminates the need for an additional horizontal cable management panel
- Angled, staggered ports orient the jack at 15°
- Compatible with Molex Keystone Jacks (supplied separately)
- Supplied unloaded for maximum installation flexibility
- Maintains the even aesthetics of active equipment and panels within a cabinet or rack
- Comes complete with rear cable management, port identification and earth cable and is shipped with the necessary fixing kit

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00282 | 180810045 | 1U 24 Port, Keystone Jack Angled Aperture, Patch Panel - Unloaded |

### PowerCat 6A Tool-less Shielded Keystone Jack

Molex PowerCat 6A Tool-less Shielded Keystone Jack is designed for support of installations requiring Keystone Jack apertures specifically in work area applications. It offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilizing robust die cast zinc alloy jack body housing. The toolless design allows for on-site installation without the need for a termination tool. The PowerCat 6A Shielded Keystone Jack was specifically designed for high-speed 10GB data transmission. The jack is also backwards compatible with Shielded C6 and C5e systems. Our PowerCat 6A shielded system is suitable for the most demanding PoE applications.

- 360° shielding for EMI protection
- Easy and fast termination process
- Ability to attach the cable in either 568A or 568B wiring
- Compatible with Molex range of Keystone Jack Patch Panels

| Order No. | SAP No. | Description |
|---|---|---|
| KSJ-00079 | 183010070 | PowerCat 6A Tool-less Shielded Keystone Jack |

### Keystone Patch Panel

The Molex Keystone panel provides an unloaded panel that can be loaded with the Molex range of Keystone UTP jacks. Keystone patch panels are designed to be loaded with individual jacks allowing for easy maintenance if jacks have to be removed or replaced. Suitable for small installations with the feature of expanding for future upgrades.

- 1U 24 Port
- Standard 19" rack mount
- Unloaded Keystone Aperture
- Universal front labeling system that accepts 13mm commercial labels for a professional appearance
- Accommodates PowerCat 6 and PowerCat UTP Keystone jacks

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00257 | 182960014 | 24 Port Keystone Jack Patch Panel 1U Unloaded - Metric fixing kit |
| PID-00289 | 182960027 | 48 Port Keystone Jack Patch Panel 2U Unloaded - Metric fixing kit |
| KSJ-00064-** | Consult Molex | Keystone Blank |
| CSP-00039 | 181170026 | Spare Fixing Kit for PID-00257 or PID-00289 includes both Metric and Imperial Fittings |

** Color Options: 02 =White, 04 = Black

Keystone Jack
Page 23

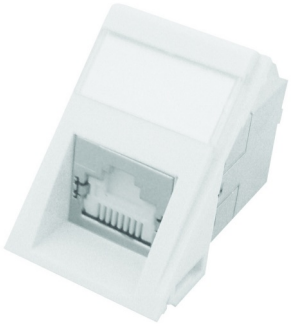
# Copper Solutions PowerCat 6A Shielded

### PowerCat 6A Euromod II Module

The Euromod modular system provides a flexible and versatile method of installation, allowing the user the choice of installing as many data outlets as required. Compatible with the Euromod range of wallplates, the module is supplied with a protected label facility and the angled design reduces patch cord bend radius. The product is shipped complete with the shielded C6A DataGate jack and 25 x 50mm fascia. Individual ports may be color coded for site-specific network administration by fitting connector icon labels (part no. CSP-00021-0**).

- Protected labeling facility
- 22 x 50mm fascia
- Compatible with Euromod wallplates
- Supplied with DataGate C6A jack

| Order No. | SAP No. | Description |
|---|---|---|
| MEU-00065-02 | 183010005 | PowerCat 6A Angled Euromod II RJ45 Module, 568A/B - White |
| MEU-00065-04 | 183010012 | PowerCat 6A Angled Euromod II RJ45 Module, 568A/B - Black |



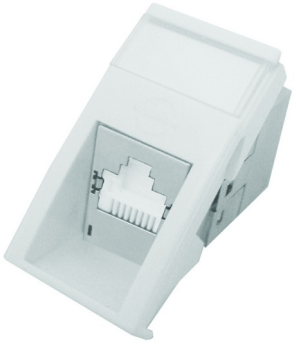
### PowerCat 6A MOD-SNAP III Module

The MOD-SNAP III Module is ideal for UK floor box applications and may be used with the MOD-SNAP wallplate range. The module is supplied with a protected label facility and the angled design reduces patch cord bend radius. The product is shipped complete with the shielded C6A DataGate jack and the 38.5 x 25mm (BT6C size) fascia.

- Protected labeling facility
- UK floorbox compatible
- Compatible with MOD-SNAP wallplates
- Supplied with DataGate C6A jack

| Order No. | SAP No. | Description |
|---|---|---|
| MMS-00017-02 | 183010040 | PowerCat 6A Angled MOD-SNAP III RJ45 Module, 568A/B - White |
| MMS-00017-04 | 183010011 | PowerCat 6A Angled MOD-SNAP III RJ45 Module, 568A/B - Black |

MOD-SNAP Wallplate Page 95

### PowerCat 6A Legrand Compatible Module

These PowerCat 6A shielded modules are compatible with the Legrand range of 45 x 45mm bezels. The angled design reduces patch cord bend radius and features a protected labeling feature. Individual ports may be color coded using a connector icon, for site-specific network administration.

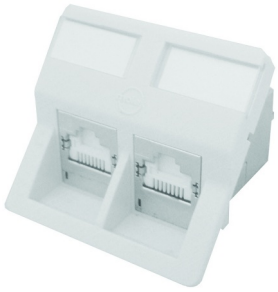
- Protected labeling facility
- 22.5 x 45mm & 45 x 45mm fascia
- Compatible with Legrand Mosaic wallplates (not supplied)
- Supplied with DataGate C6A jack
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side

| Order No. | SAP No. | Description |
|---|---|---|
| MLG-00030-** | 183010006 | PowerCat 6A 22.5 x 45mm Legrand compatible Module |
| MLG-00031-** | 183010007 | PowerCat 6A 45 x 45mm Legrand compatible Module |

** Color Options - 02 = White, 04 = Black

Termination Tool Page 103

# Copper Solutions PowerCat 6A Shielded



### PowerCat 6A DIN Module

The PowerCat 6A DIN module is compatible with the 50 x 50mm DIN 49075 standard. Available as single or dual ports, the modules are supplied with a protected label facility and the angled design reduces patch cord bend radius. The product is shipped complete with the shielded C6A DataGate jack. Individual ports may be color coded for site-specific network administration by fitting connector icon labels (part no. CSP-00021-0**).

- Protected labeling facility
- 50 x 50mm fascia
- DIN 49075 compatible
- Supplied with DataGate C6A jack
- 1 and 2 Port versions
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side

| Order No. | SAP No. | Description |
|---|---|---|
| WNC-00044-02 | 183010017 | PowerCat 6A 1 Port DIN Module Shielded - White |
| WNC-00045-02 | 183010018 | PowerCat 6A 2 Port DIN Module Shielded - White |

Termination Tool
Page 103

### PowerCat 6A Contura Module

The PowerCat 6A Contura Module was designed to combine aesthetics with functionality. The contemporary design of the product is ideal for the modern office and provides the user with the flexibility of modularity. Compatible with Contura wallplates, the module is supplied with a protected label facility and the angled design reduces patch cord bend radius. This product is shipped complete with the shielded C6A DataGate jack. Individual ports may be color coded for site-specific network administration by fitting connector icon labels (part no. CSP-00021-0**).

- Contemporary design
- Protected labeling facility
- 22 x 50mm fascia
- Compatible with Contura wallplates
- Supplied with DataGate C6A jack

| Order No. | SAP No. | Description |
|---|---|---|
| MGB-00006-02 | 183010004 | PowerCat 6A Angled Contura RJ45 Module, White |

** Color Options - 02 = White, 04 = Black

Contura
Wallplate
Page 94

### PowerCat 6A MOD-Clip DataGate Jacks

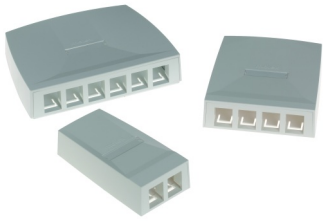
The PowerCat 6A MOD-Clip DataGate jack offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilizing robust die-cast zinc alloy connector body housing. This shielded connector also features a unique spring-loaded shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The shielded connector is dual color coded for either 568A or 568B wiring schedules.

- Robust die-cast zinc alloy housing
- Dual color coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Spring-Loaded Shutter
- Accepts color coded port identification labels
- Spring loaded cable/drain wire clamp
- Designed for use with Molex's MOD-Clip wallplates
- Designed to fit the Clipsal®, HPM® system of wallplates

| Order No. | SAP No. | Description |
|---|---|---|
| MMC-00017-02 | 183010020 | PowerCat 6A MOD-Clip Shielded Jack 8W 568 A/B White |
| MMC-00017-04 | 183010019 | PowerCat 6A MOD-Clip Shielded Jack 8W 568 A/B Black |

** Color Options - 02 = White, 04 = Black , 08 = Gray, YL = Yellow, PP = Purple, GR = Green

# Copper Solutions PowerCat 6A Shielded



### Synergy Surface Mount Box

The PowerCat Synergy Surface Box is ideal for use in open office cabling. The 2, 4 and 6 port boxes are supplied unloaded and accept the DataGate Jack and Synergy Single Position Modules. The single port versions ship loaded with the DataGate Jack. Synergy Surface Boxes offer simple and organized installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box. Individual ports can also be color coded for site-specific network administration using connector icon labels.

- Stylish design
- Simple, organized cable entry and installation
- Screw fixing
- Clear and concise labeling
- DataGate Jack & Synergy Module compatible

| Order No. | SAP No. | Description |
|---|---|---|
| SSY-00014-02 | 181340013 | PowerCat 2 Port Synergy Surface Box, Unloaded - White |
| SSY-00015-02 | 181340016 | PowerCat 4 Port Synergy Surface Box, Unloaded - White |
| SSY-00016-02 | 181340019 | PowerCat 6 Port Synergy Surface Box, Unloaded - White |
| SBX-00009-02 | 182950000 | PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded) |
| SBX-00005-02 | 181770326 | PowerCat 6 1 Port Synergy Surface Box RJ45 UTP White (loaded) |
| SBX-00006-02 | 18338002 | PowerCat 5e 1 Port Synergy Surface Box RJ45 UTP White (loaded) |

DataGate Jacks
Page 22

Fiber Modules
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Multimedia Modules
Page 97

### Keystone Jack 1 & 2 Port Surface Mount Boxes

Simple, organized installation for work areas where surface mount is the only option, such as confined spaces. The product is compatible with Molex range of Keystone Jacks, C5e, C6 and C6A. The base is mounted with the screws provided. Keystone Jacks are fitted into the base of the box from the rear to reduce the risk of tampering, and the cable is secured to base using the cable tie off points provided. The design of the Snap-On cover is contoured for a sleek and contemporary appearance and includes a protected label window for clear port identification.

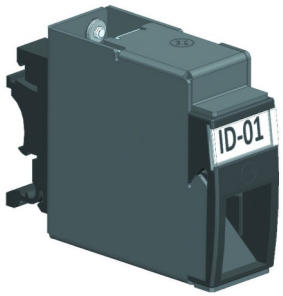
- Utilizes C5e UTP, Cat 6 UTP, Cat 6A shielded and unshielded Molex Keystone Jacks
- Contemporary styling
- Rear loaded Keystone Jacks to reduce tampering
- Slotted screw holes for easy alignment and removal
- Protected label holder for clear port identification
- Supplied unloaded

| Order No. | SAP No. | Description |
|---|---|---|
| OSB-00001-02 | 181350007 | 1 Port Keystone Surface Mount Box - White |

Keystone Jack C6A UTP
Page 7

Keystone Jack C6A Shielded
Page 14

Keystone Jack C6 UTP
Page 23


### DIN Rail Mountable DataGate Jack Adapter

The DIN rail mountable jack adapter provides copper protection for terminated network cable with the DataGate jack. It can be mounted to a standard 35mm DIN rail and locked in place with a multi function clip, allowing it to mount on different types of DIN rail. It accepts Molex C5e, C6 unshielded and C6A shielded DataGate jacks which snap in and out for easy moves, adds, and changes. Adapter is available in black.

- Supports Molex C5e, C6 unshielded and C6A shielded DataGate jacks
- Compatible with 1 DataGate Jack
- 35mm standard DIN rail mountable to support standard 35mm DIN rail application
- Ground screw provided
- DIN Rail Clip Support EN60715 Standard profile (Hat shape) and G profile

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00118 | 182870011 | DIN Rail Mountable DataGate Jack Adapter |

C6 UTP DataGate Jack
Page 22

C5e UTP DataGate Jack
Page 34

DIN Rail Fiber Enclosure
Page 56

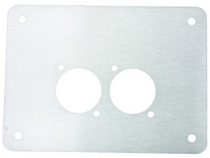
# Copper Solutions PowerCat 6A
# Healthcare Solutions

**Antimicrobial Wallplates and Patch Cords**

Molex Medical Grade products have been created by incorporating an antibacterial agent (biocide) that can assist in suppressing the growth of bacteria on the surfaces of products when conditions exist where growth can occur. They can assist in keeping surfaces clean and sanitary and can also have an advantage in minimizing the impact on the environment by minimizing diffusion of the agent. Molex Medical Grade products have been independently tested and comply with ISO 22196:2011. They form a part of an effective sanitization protocol are not intended as replacement.

- Assists in suppression of the growth of bacteria on wallplates and patch cords
- Contemporary design, smooth finished wall plates for ease of cleaning
- Modular wallplate footprint allows for Cat 6, Cat 6A and optical fiber fitout
- 10G performance when installed as a complete PowerCat 6A Shielded System
- LS0H Sheath – Patch Cords
- Slim anti-snag slip on boots – Patch Cords
- RoHS Compliant
- Third party tested to ISO 22196:2011 for 99% efficiency against K.Pnemoniae, E.Coli and Staphylococcus Aureus

| Order No. | SAP No. | Description |
|---|---|---|
| **Patch Cords** | | |
| HPCD-07000-0W | 183162394 | Medical Grade Antimicrobial Patch Cord Cat6A Shielded, LS0H, White - 1.0m |
| HPCD-07001-0W | 183162395 | Medical Grade Antimicrobial Patch Cord Cat6A Shielded, LS0H, White - 2.0m |
| HPCD-07002-0W | 183162396 | Medical Grade Antimicrobial Patch Cord Cat6A Shielded, LS0H, White - 3.0m |
| HPCD-07003-0W | 183162397 | Medical Grade Antimicrobial Patch Cord Cat6A Shielded, LS0H, White - 5.0m |
| **Outlets & Connectors** | | |
| HWGB-00001-02 | 181170041 | Antimicrobial Contura Wallplate with Grid Plate - Single Gang, White |
| HWGB-00002-02 | 181170042 | Antimicrobial Contura Wallplate with Grid Plate - Double Gang, White |
| HKSJ-00005-02 | 181170043 | Antimicrobial Single Position Blank - White, 25 per Bag |
| HMGB-00002-02 | 181170044 | Antimicrobial Blank Module |
| HMGB-00006-02 | 182910001 | Antimicrobial Module Contura FTP 568A B C6A, White |
| HSBX-00004-02 | 181350011 | Surface Box Miniline, 1P, Anti-Microbial - White |
| HSSY-00014-02 | 181340033 | Modular Synergy Surface Box, 2P, Antimicrobial Unloaded - White |
| HMLG-00021-02 | 181720063 | Legrand Module 22.5x45 C6, Antimicrobial Loaded - White |
| HMLG-00030-02 | 182930002 | Legrand Module 22.5x45 C6A, Antimicrobial Loaded - White |
| HWPJ-00057-02 | 181280058 | Keystone Wallplate 86x86, 1P, Antimicrobial - White |
| HWPJ-00058-02 | 181280059 | Keystone Wallplate 86x86, 2P, Antimicrobial - White |
| HWPJ-00059-02 | 181280060 | Keystone Wallplate 86x86, 4P, Antimicrobial - White |



**Harsh Environment IP65 Wallplates and Patch Cords**

Molex Harsh Environmental IP65 products have been created using chemically resistant easy clean materials. They can assist in keeping surfaces clean and sanitary.

- Easy to clean wallplates and patch cords assist in the control of bacteria
- Smooth stainless steel wallplates for ease of cleaning
- 10G performance when installed as a complete PowerCat 6A Shielded System
- LS0H sheath – patch cords
- Double-sided stainless steel wall plates – polished/brushed stainless steel
- Locking jack and patch cords – prevents accidental removal
- Slim anti-snag slip on boots – patch cords

| Order No. | SAP No. | Description |
|---|---|---|
| **IP65 Harsh Environment Patch Cords** | | |
| PCD-07137-BK | 183162401 | Patch Cord C6A IP65 RJ45- Plug RJ45 1.0m Black |
| PCD-07138-BK | 183162402 | Patch Cord C6A IP65 RJ45- Plug RJ45 1.5m Black |
| PCD-07139-BK | 183162403 | Patch Cord C6A IP65 RJ45- Plug RJ45 2.0m Black |
| PCD-07140-BK | 183162404 | Patch Cord C6A IP65 RJ45- Plug RJ45 3.0m Black |
| PCD-07141-BK | 183162405 | Patch Cord C6A IP65 RJ45- Plug RJ45 5.0m Black |
| **Outdoor Push-Pull Patch Cords** | | |
| PCD-07142 | 183162406 | Patch Cords C6A Outdoor Push Pull Locking Shielded LS0H 1.0M Black |
| PCD-07143 | 183162407 | Patch Cords C6A Outdoor Push Pull Locking Shielded LS0H 1.5M Black |
| PCD-07144 | 183162408 | Patch Cords C6A Outdoor Push Pull Locking Shielded LS0H 2.0M Black |
| PCD-07145 | 183162409 | Patch Cords C6A Outdoor Push Pull Locking Shielded LS0H 3.0M Black |
| PCD-07146 | 183162410 | Patch Cords C6A Outdoor Push Pull Locking Shielded LS0H 5.0M Black |
| **Antimicrobial Patch Cords** | | |
| HPCD-07147-0W | 183162411 | Patch Cord Antimicrobial C6A Shielded Plug 1.0m LS0H White |
| HPCD-07148-0W | 183162412 | Patch Cord Antimicrobial C6A Shielded Plug 1.5m LS0H White |
| HPCD-07149-0W | 183162413 | Patch Cord Antimicrobial C6A Shielded Plug 2.0m LS0H White |
| HPCD-07150-0W | 183162414 | Patch Cord Antimicrobial C6A Shielded Plug 3.0m LS0H White |
| HPCD-07151-0W | 183162415 | Patch Cord Antimicrobial C6A Shielded Plug 5.0m LS0H White |
| **Outlets & Connectors** | | |
| KSP-00004 | 183010129 | Plug C6A Field Termination IP65 |
| KSJ-00095 | 183010131 | Jack C6A STP-IP65 |
| WSS-00012 | 181260005 | Wallplate Stainless Steel- Bulk Head Jack - 1P |
| WSS-00013 | 181260006 | Wallplate Stainless Steel- Bulk Head Jack - 2P |
| WSS-00014 | 181260007 | Wallplate Stainless Steel- Bulk Head Jack - 4P |

# Copper Solutions Outdoor Category 6A Shielded Connectivity Solution

### Outdoor Category 6A Shielded Connectivity Solution

Molex offers two outdoor rated connectivity products that protect the connection between the outdoor wireless access point or security camera and the existing network cabling infrastructure from climatic conditions. The biggest benefit of wireless networks is that it allows users to connect to the Internet from any spot inside its area of coverage.

This network can be extended externally by installing an outdoor wireless access point device. When it comes to the overall safety and security of building facilities and personnel, outdoor video surveillance and security cameras are increasingly important. These outdoor devices are connected to the existing campus network via an RJ45 patch cord and RJ45 Jack. The Molex outdoor category 6A shielded connectivity solution facilitates this connection with an IP66 rated enclosure protecting the RJ45 jack and a weather protected C6A shielded patch cord.

### Outdoor Category 6A Shielded Patch Cord

Molex Category 6A patch cords are designed to support high-speed 10GBASE-T networks and are backward compatible with 10/100/1000BASE-T networks. Manufactured from high quality four pair 26 AWG stranded copper wire, each pair is shielded in aluminum/mylar foil and enclosed in a LS0H sheath. The cable is terminated with Molex high performance Category 6A shielded RJ45 plugs.

- 4 Pair 26 AWG stranded copper shielded cable
- Pre-terminated with shielded RJ45 plugs
- Suitable for TIA 568A or 568B wiring
- 10Gb/s performance when installed as a complete Molex C6A shielded system
- UV stabilized, water and dust ingress protected, flexible conduit covering.
- Operating temperature -20°C to +60°C, -4°F to 140°F.

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-07136 | 183162333 | Outdoor Category 6A Shielded Patch Cord 0.5m |
| PCD-07131 | 183162334 | Outdoor Category 6A Shielded Patch Cord 1m |
| PCD-07132 | 183162335 | Outdoor Category 6A Shielded Patch Cord 1.5m |
| PCD-07133 | 183162336 | Outdoor Category 6A Shielded Patch Cord 2m |
| PCD-07134 | 183162337 | Outdoor Category 6A Shielded Patch Cord 3m |
| PCD-07135 | 183162338 | Outdoor Category 6A Shielded Patch Cord 5m |

### Euromod IP66 2 Port RJ45 Enclosure Unloaded

The Euromod IP66 two port RJ45 Enclosure protects the Euromod DataGate Jack terminations from impact damage, dust and pressured jets of water. The product features a fixed gasket around the rear backbox/mounting box and a further gel seal and gasket enclosing the RJ45 jacks and patch cord connections under the hinged cover, ensuring robust protection against the outdoor environment. The product is designed to house the RJ45 jacks needed for the connection of outdoor WAP or security camera devices to the network. The enclosure accepts two Euromod 25 x 50mm Molex DataGate modules, supplied separately. Contact Molex Regional Technical Solutions for installation guidance.

- Ingress Protection Rating 66
- Enclosure manufactured from UV resistant polycarbonate which does not crack and provides strong impact protection
- Fixed gaskets protect the rear cable connections from dust and water ingress
- Durable gel seal protects patch cord and jack connections from weather damage
- Accepts two RJ45 Euromod 25 x 50mm modules (supplied separately)
- Easy installation

| Order No. | SAP No. | Description |
|---|---|---|
| SBX-00019-08 | 181320016 | Euromod IP66 2 x RJ45 Enclosure Unloaded Gray |
| **Compatible Euromod Outlets** | | |
| MEU-00074-02 | 181240031 | Euromod Bezel 25 x 50mm Unloaded White |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple.

# Copper Solutions PowerCat 6A
# Shielded IP67 Connectivity Solution

C6A Shielded Keystone Jack Page 14

### The Molex Category 6A IP67 Connectivity

Designed to support 10Gb/s data transmission in work areas subject to heat, fluids, dust and humidity. The need for a Category 6A connectivity solution designed for areas outside the normal office environment is growing. Data transmission is now ubiquitous in laboratories, food processing plants, restaurant kitchens and sport/leisure point of sale venues. Many healthcare, manufacturing and trade processes generate heat, dust, humidity and fluids that represent a significant threat to a standard work-area data connection. Molex Category 6A shielded IP67 work area RJ45 Jack and Patch Cord connectivity solution quickly and easily protects the vital but vulnerable network connection from tough environmental conditions using rugged, quarter turn lock, mated housings.

- Fits into stainless steel faceplates designed for IP67 housings
- Avoids accidental disconnection
- Visual and audible quarter turn locking
- Resistant to dust, water and heat
- Patch cords feature strain-relief "spring" like boot design for excellent flexibility and bend radius protection
- Meets channel requirements of ANSI/TIA-568-D.2 and ISO/IEC 11801 Category 6A four connector channel performance when installed with Molex Category 6A shielded Keystone jack part no. KSJ-00079 only

### C6A Shielded IP67 - Patch Cords

- High impact flame retardant plastic quarter turn lock housing IEC 61076-3-106 compliant
- 4 Pair 26 AWG stranded copper wire
- TPE/PVC double sheath
- High performance shielded C6A plug
- IP67 RJ45 to IP67 RJ45 and IP67 RJ45 to standard boot RJ45 versions available

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-07121-BK | 183162207 | Patch Cord C6A Shielded IP67-RJ45 1m Black |
| PCD-07129-BK | 183162325 | Patch Cord C6A Shielded IP67-RJ45 1.5m Black |
| PCD-07122-BK | 183162208 | Patch Cord C6A Shielded IP67-RJ45 2m Black |
| PCD-07123-BK | 183162209 | Patch Cord C6A Shielded IP67-RJ45 3m Black |
| PCD-07124-BK | 183162210 | Patch Cord C6A Shielded IP67-RJ45 5m Black |
| PCD-07125-BK | 183162211 | Patch Cord C6A Shielded IP67-IP67 1m Black |
| PCD-07130-BK | 183162326 | Patch Cord C6A Shielded IP67-IP67 1.5m Black |
| PCD-07126-BK | 183162212 | Patch Cord C6A Shielded IP67-IP67 2m Black |
| PCD-07127-BK | 183162213 | Patch Cord C6A Shielded IP67-IP67 3m Black |
| PCD-07128-BK | 183162214 | Patch Cord C6A Shielded IP67-IP67 5m Black |

### C6A Shielded IP67 - Jack

Robust shielded IP67 jack designed for use in work areas subject to heat, fluids, dust and humidity. Protects vulnerable network connection from tough environmental conditions.

- High impact flame retardant plastic quarter turn lock housing IEC 61076-3-106 compliant
- Robust die-cast zinc alloy category 6A jack housing
- Dual color coding allows 568A/B wiring
- IEEE 803.2bt PoE compliant

| Order No. | SAP No. | Description |
|---|---|---|
| KSJ-00092 | 183010127 | Jack C6A Shielded IP67 568A/B |

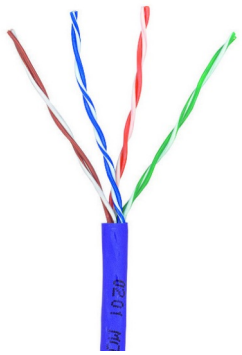
### Backbox

Robust shielded backbox designed to protect network connections in work areas subject to heat, fluids, dust and humidity.

- Stainless Steel front plate for abrasion resistance
- Rubber gasket for protection against dust and water ingress
- Cable entry glands seal and protect jack terminations
- Polyacrylic ABS backbox for durability and strength.

| Order No. | SAP No. | Description |
|---|---|---|
| SBX-00016 | 181320013 | Backbox 1P IP67 Stainless Steel Plate 128 x 128mm White |
| SBX-00017 | 181320014 | Backbox 2P IP67 Stainless Steel Plate 128 x 128mm White |
| SBX-00018 | 181320015 | Backbox 4P IP67 Stainless Steel Plate 128 x 128mm White |

# Copper Solutions PowerCat 6 Unshielded

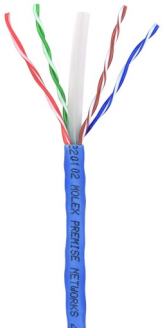


### PowerCat 6 U/UTP Cable

Molex PowerCat 6 4 Pair U/UTP cable has been designed to support high speed data transmission systems such as Gigabit Ethernet. The cable is part of the PowerCat 6 range of products that are designed to comply with the Category 6 specification. We recommend that the full range of PowerCat 6 products are used in a system to maximize cabling performance, providing extended frequency response and enhanced bandwidth.

- Enhanced performance 4 pair PVC cable
- Category 6 compliant
- Color coded for ease of termination
- PVC sheath

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00429-BL | 181740162 | PowerCat 6 U/UTP LS0H - 305m Box - Blue |
| CAA-00429-0E | 181740163 | PowerCat 6 U/UTP LS0H - 305m Box - Gray |
| CAA-00429-GR | 181740164 | PowerCat 6 U/UTP LS0H - 500m Reel - Green |
| CAA-00429-YL | 181740165 | PowerCat 6 U/UTP LS0H - 500m Reel - Yellow |
| CAA-00429-0N | 181740166 | PowerCat 6 U/UTP LS0H - 500m Reel - Orange |
| CAA-00429-RD | 181740167 | PowerCat 6 U/UTP LS0H - 500m Reel - Red |
| CAA-00429-BK | 181740168 | PowerCat 6 U/UTP LS0H - 500m Reel - Black |
| CAA-00430-0E | 181750041 | PowerCat 6 U/UTP LS0H - 500m Reel - Gray |
| CAA-00277-0H | 181740151 | PowerCat 6 U/UTP Cable PVC (per meter) - Blue |
| CAA-00277-0E | 181740152 | PowerCat 6 U/UTP Cable PVC (per meter) - Gray |
| CAA-00277-0J | 181740153 | PowerCat 6 U/UTP Cable PVC (per meter) - Green |
| CAA-00277-0K | 181740154 | PowerCat 6 U/UTP Cable PVC - per meter - Yellow |
| CAA-00277-0N | 181740155 | PowerCat 6 U/UTP Cable PVC (per meter) - Orange |
| CAA-00277-0C | 181740156 | PowerCat 6 U/UTP Cable PVC (per meter) - Red |
| CAA-00277-BK | 181740157 | PowerCat 6 U/UTP Cable PVC (per meter) - Black |
| CAA-00277-0W | 181740191 | PowerCat 6 U/UTP Cable PVC (per meter) - White |
| CAA-00277-VL | 181740192 | PowerCat 6 U/UTP Cable PVC (per meter) - Violet |

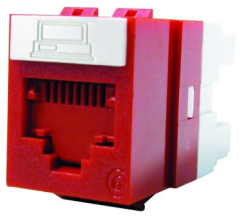


### Category 6 U/UTP Gel-Filled Outdoor Cable Nylon Sheath

The Molex outside plant gel-filled Category 6 4 Pair U/UTP cable utilises a HDPE compound which insulates the cores while a PE (UV) sheath provides protection against moisture and UV. An additional nylon outer jacket provides protection against abrasion and termites The rugged construction of this cable makes it idea for outdoor/underground installations

- Category 6 compliant
- PE (UV) and nylon sheathed for greater protection
- UV resistant
- Suitable for outdoor/underground Installations
- Water resistant gel-filled design
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00419-0H | 181740138 | Cat6 U/UTP Gel Filled Outdoor PE Cable Nylon Fca Blue 305 m |



### PowerCat 6 UTP DataGate Jack

The DataGate Jack is the cornerstone of the Molex CES PowerCat 6 System performance. This jack features a unique spring-loaded shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The product is dual color coded for either 568A or 568B wiring schedules and is backwards compatible with C5e systems.

- Dual color coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented spring-loaded shutter
- Accepts color coded port identification labels
- Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible

| Order No. | SAP No. | Description |
|---|---|---|
| KSJ-00018-** | Consult Molex | PowerCat 6 DataGate Jack, 568A/B |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple. Standard stocked colors - Black and White. All colors subject to availability and variable pricing.

Termination Tool
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Unloaded DataGate Panels
Page 13

# Copper Solutions PowerCat 6 Unshielded

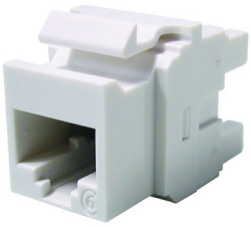
### PowerCat 6 MOD-Clip DataGate Jack

The MOD-Clip DataGate jack is designed to maintain clean secure connections. The RJ45 jack features a patented 'spring-loaded shutter' which protects it from dust and contaminants as well as provides tactile feedback - the spring-loaded shutter pops out an improperly seated patch cord - all with single-handed plug-in and removal. Available in seven colors MOD-Clip DataGate jacks utilize patented IDC V-shaped contacts that flex not fatigue when terminated.

- "Spring-Loaded" gate prevents incomplete mating
- IDC contacts that flex not fatigue when terminated
- Pointed IDC towers to speed termination and enhance cable retention
- 568 A/B wiring configuration
- Allows rear and side entry cable termination
- Designed for use with Molex's MOD-Clip wallplates
- Designed to fit the Clipsal, HPM and PDL systems of wallplates

| Order No. | SAP No. | Description |
|---|---|---|
| MMC-00010-** | Consult Molex | PowerCat 6 MOD-Clip DataGate Jack, 568A/B |

** Color Options - 02 = White, 04 = Black



### PowerCat 6 UTP Keystone Jack

Utilizing patented IDC V-shaped contacts that flex not fatigue when terminated, the RJ45 Keystone Jack is compatible with any product that accepts the standard keystone profile.

- Dual color coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Features pointed IDC towers to speed termination and enhance cable retention
- RJ11 & RJ12 compatible
- Molded category identification on jack face

| Order No. | SAP No. | Description |
|---|---|---|
| KSJ-00033-** | Consult Molex | Keystone Jack, Category 6, 8W, 568A/B |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple. Standard stocked color - White. All colors may be subject to availability and variable pricing.

4-Pair Termination Tool Page 103

### PowerCat 6 Patch Panels

PowerCat 6 Patch Panels feature the shuttered DataGate Connector which is dual color coded for either 568A or 568B wiring. The panels come complete with an integral cable management tray for cable strain relief and tidy cable dressing. Available in 24 or 48 port versions, with front and rear port labeling. Individual ports can be color coded using an icon for site-specific network administration.

- Shuttered DataGate RJ45
- 24 Port 1U, 48 Port 2U
- EIA 568A/B color coded
- Integral rear cable management tray
- Standard 19" rack mount
- Graphite Gray finish

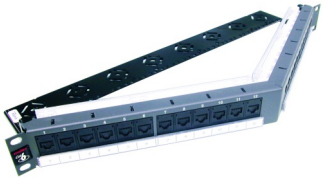
| Order No. | SAP No. | Description |
|---|---|---|
| PID-00141 | 182090009 | PowerCat 6 24 Port Patch Panel RJ45 568A/B UTP C6 - 1U - Graphite |
| PID-00142 | 182040010 | PowerCat 6 48 Port Patch Panel RJ45 568A/B UTP C6 - 2U - Graphite |
| **Accessories** | | |
| CSP-00021-** | Consult Molex | Blank Connector Icon Labels 6-Pack (Bag of 10) |
| CSP-00022-** | Consult Molex | Data Connector Icon Labels 6-Pack (Bag of 10) |
| CSP-00023-** | Consult Molex | Voice Connector Icon Labels 6-Pack (Bag of 10) |

**Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple

### PowerCat 6 Angled Patch Panels

Angled Patch Panels are ideal for installations of high density or which utilize extensive side and end-of-the-rack cable management. The angled feature provides enhanced port access and minimizes patch cord bend radius to the rack. Each port features a patented spring-loaded shutter and can be color coded using an icon for site specific network administration. The panel provides both front and rear port number identification.

- Shuttered DataGate RJ45
- 24 Ports 1U & 48 Port 2U
- Category 6 performance
- EIA 568A/B wired
- Standard 19" rack mount
- Integral cable rear management



| Order No. | SAP No. | Description |
|---|---|---|
| PID-00156 | 182080297 | PowerCat 6 24 Port Angled Patch Panel RJ45 568A/B UTP - 1U |
| PID-00157 | 182080299 | PowerCat 6 48 Port Angled Patch Panel RJ45 568A/B UTP - 2U |

# Copper Solutions PowerCat 6 Unshielded

### PowerCat Unloaded DataGate Panels

Molex PowerCat Unloaded DataGate Patch Panels can be configured to provide the exact number of modular ports required. DataGate Category 5e UTP, Category 6 UTP, or Category 6A shielded jacks can be terminated to cable and then snapped into this DataGate patch panel. The patch panel and rear cable manager are constructed of cold-rolled steel for strength and durability.

- Available in 1U 24P Flat, 1U 24P Angled, 2U 48P Flat, 2U 48P Angled
- Easy snap in DataGate UTP or Shielded Jacks (sold separately)
- Modularity provides installation flexibility
- Front portable labeling
- Individually removable patch panel ports
- Removable cable management shelves ensure bend radius compliance
- ANSI and metric hardware kit included
- Grounding screws included

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00258 | 180810031 | PowerCat 24 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 1U - Black |
| PID-00259 | 180810032 | PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U - Black |
| PID-00260 | 180810033 | PowerCat 48 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 2U - Black |
| PID-00261 | 180810034 | PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U - Black |
| KSJ-00005-0* | Consult Molex | Single Position Blank Module (Bag of 25) |

* Color Options - 2 = White, 4 = Black

### 1U 24 Port, Angled Keystone Jack Aperture, Unloaded Patch Panel

The Molex 1U 24 Port patch panel with angled, staggered Keystone Jack apertures is ideal for high density installations which utilize side of rack/cabinet cable management. The angled port design orientates the shielded or UTP Keystone jack at 15 degrees while the panel itself is a linear design, rather than a V-shape. The staggered, angled jack positions eliminate the need for an additional horizontal cable management panel, while maintaining optimized patch cord bend radius. The innovative panel design maintains an even, level aesthetic in rack/cabinet layouts where a mix of active equipment and patch panels are included. The panel is finished in black with white port numbering for easy site administration, and is supplied with a robust rear cable management tray, designed to support 24 UTP or shielded cables. An earth cable is provided for shielded installations.

- Eliminates the need for an additional horizontal cable management panel
- Angled, staggered ports orient the jack at 15°
- Compatible with Molex Keystone Jacks (supplied separately)
- Supplied unloaded for maximum installation flexibility
- Maintains the even aesthetics of active equipment and panels within a cabinet or rack
- Comes complete with rear cable management, port identification and earth cable and is shipped with the necessary fixing kit

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00282 | 180810045 | 1U 24 Port, Keystone Jack Angled Aperture, Patch Panel - Unloaded |

### Keystone Patch Panel

The Molex Keystone panel provides an unloaded panel that can be loaded with the Molex range of Keystone UTP jacks. Keystone patch panels are designed to be loaded with individual jacks allowing for easy maintenance if jacks have to be removed or replaced. Suitable for small installations with the feature of expanding for future upgrades.

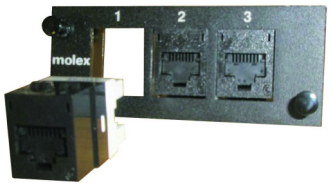
- 1U 24 Port
- Standard 19" rack mount
- Unloaded Keystone Aperture
- Universal front labeling system that accepts 13mm commercial labels for a professional appearance
- Accommodates PowerCat 6 and PowerCat UTP Keystone jacks

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00257 | 182960014 | 24 Port Keystone Jack Patch Panel 1U Unloaded - Metric fixing kit |
| PID-00289 | 182960027 | 48 Port Keystone Jack Patch Panel 2U Unloaded - Metric fixing kit |
| KSJ-00064-** | Consult Molex | Keystone Blank |
| CSP-00039 | 181170026 | Spare Fixing Kit for PID-00257 or PID-00289 includes both Metric and Imperial Fittings |

** Color Options: 02 =White, 04 = Black

Keystone Jack
Page 23

# Copper Solutions PowerCat 6 Unshielded



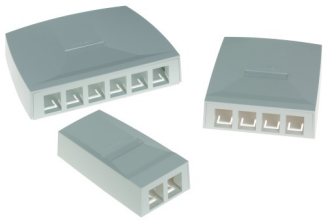
Multi-Function Enclosure Page 48

### PowerCat Unloaded DataGate Adapter Plate

The Unloaded Adapter Plate 3 x DataGate Jacks is designed for applications where fiber and copper are required in a single panel. The Adapter Plate is designed to accept the DataGate UTP Jack and snap fits into the Multi-Functional or Specification Grade Fiber Optic Panels. The Adapter Plate can also be combined with Fiber Optic 6 Fiber Adapter Plates for multi-media applications.

- Accommodates 3 x DataGate Jacks
- For use within Molex Multi-Functional or Specification Grade Fiber Panels
- Allows multi-media flexibility within a single enclosure/panel

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00440 | Consult Molex | Adapter Plate 3x PowerCat DataGate unloaded |



### Synergy Surface Mount Box

The PowerCat Synergy Surface Box is ideal for use in open office cabling. The 2, 4 and 6 port boxes are supplied unloaded and accept the DataGate Jack and Synergy Single Position Modules. The single port versions ship loaded with the DataGate Jack. Synergy Surface Boxes offer simple and organized installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box. Individual ports can also be color coded for site-specific network administration using connector icon labels.

- Stylish design
- Simple, organized cable entry and installation
- Screw fixing
- Clear and concise labeling
- DataGate Jack & Synergy Module compatible

DataGate Jacks Page 22

Fiber Modules Page 67

Multimedia Modules Page 97

| Order No. | SAP No. | Description |
|---|---|---|
| SSY-00014-02 | 181340013 | PowerCat 2 Port Synergy Surface Box, Unloaded - White |
| SSY-00015-02 | 181340016 | PowerCat 4 Port Synergy Surface Box, Unloaded - White |
| SSY-00016-02 | 181340019 | PowerCat 6 Port Synergy Surface Box, Unloaded - White |
| SBX-00009-02 | 182950000 | PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded) |
| SBX-00005-02 | 181770326 | PowerCat 6 1 Port Synergy Surface Box RJ45 UTP White (loaded) |
| SBX-00006-02 | 18338002 | PowerCat 5e 1 Port Synergy Surface Box RJ45 UTP White (loaded) |

### Keystone Jack 1 & 2 Port Surface Mount Boxes

Simple, organized installation for work areas where surface mount is the only option, such as confined spaces. The product is compatible with Molex range of Keystone Jacks, C5e, C6 and C6A. The base is mounted with the screws provided. Keystone Jacks are fitted into the base of the box from the rear to reduce the risk of tampering, and the cable is secured to base using the cable tie off points provided. The design of the Snap-On cover is contoured for a sleek and contemporary appearance and includes a protected label window for clear port identification.

- Utilizes C5e UTP, Cat 6 UTP, Cat 6A shielded and unshielded Molex Keystone Jacks
- Contemporary styling
- Rear loaded Keystone Jacks to reduce tampering
- Slotted screw holes for easy alignment and removal
- Protected label holder for clear port identification
- Supplied unloaded

Keystone Jack C6A UTP Page 7

Keystone Jack C6A Shielded Page 14

Keystone Jack C6 UTP Page 23

| Order No. | SAP No. | Description |
|---|---|---|
| OSB-00001-02 | 181350007 | 1 Port Keystone Surface Mount Box - White |

# Copper Solutions PowerCat 6 Unshielded

### PowerCat 6 Angled MOD-SNAP III Module

The angled MOD-SNAP III Module is ideal for floor box applications. The product is a fully assembled unit featuring the shuttered DataGate connector. The angled design reduces patch cord bend radius particularly in shallow floor box installations. The angled MOD-SNAP Module can also be used in the MOD-SNAP range of wallplates.

- Shuttered RJ45 DataGate connector
- Protected labeling facility
- Floor box and wallplate compatible
- 38.5 x 25mm fascia (BT6C size)

| Order No. | SAP No. | Description |
|---|---|---|
| MMS-00013-** | Consult Molex | PowerCat 6 Angled MOD-SNAP III Module RJ45 568A/B UTP |
| MMS-00014-** | Consult Molex | MOD-SNAP Module Blank |

** Color Options - 02 = White, 04 = Black

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### PowerCat 6 Contura Module

The Contura product family is designed to combine aesthetics with functionality. The PowerCat 6 Contura module is a fully assembled unit featuring the shuttered DataGate connector. The angled design of the module reduces patch cord bend radius and features a protected labeling facility. Individual ports may be color coded for site-specific network administration by fitting connector icon labels.

- Contemporary design
- Shuttered RJ45 DataGate Module
- Protected labeling facility
- Module and Blank 22 x 50mm

| Order No. | SAP No. | Description |
|---|---|---|
| MGB-00001-02 | 181770082 | PowerCat 6 Angled Contura Module RJ45 568A/B UTP - White |
| MGB-00002-02 | 181770216 | Contura Module Blank - White |

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### PowerCat 6 Euromod II Module

The Euromod modular system provides a flexible and versatile method of installation, allowing the user the choice of installing as many data outlets as required. The modules are fully assembled units featuring the Molex shuttered DataGate connector in a 25 x 50mm fascia. Individual ports can also be color coded for site-specific network administration using connector icon labels.

- Shuttered RJ45 DataGate connector
- 25 x 50mm fascia
- Individual port color coding option

| Order No. | SAP No. | Description |
|---|---|---|
| MEU-00056-02 | 181730016 | PowerCat 6 Euromod II Module RJ45 568A/B UTP - White |
| MEU-00056-04 | 181730017 | PowerCat 6 Euromod II Module RJ45 568A/B UTP - Black |
| 17-0412-02 | 180060060 | Euromod Quarter (12.5 x 50mm) Blank - White |
| 17-0413-02 | 181370005 | Euromod Half (25 x 50mm) Blank - White |
| 17-0414-02 | 180060062 | Euromod Full (50 x 50mm) Blank - White |

Outlet Configuration Solutions Page 95

# Copper Solutions PowerCat 6
# Unshielded

Label holder
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### PowerCat 6 Legrand Compatible Module

The PowerCat 6 22.5 x 45mm and 45 x 45mm modules are compatible with the Legrand Mosaic range of 45 x 45mm bezels. Two modules or a single module and a blank may be installed in this format. The product is a fully assembled unit featuring the shuttered DataGate connector. The angled design reduces patch cord bend radius and features a protected labeling facility. Individual ports may be color coded using a connector icon for site-specific network administration

- Legrand Mosaic 45 x 45mm bezel compatible
- Shuttered RJ45 DataGate connector
- Protected labeling facility
- Angled fascia

| Order No. | SAP No. | Description |
|---|---|---|
| MLG-00021-02 | 188000016 | PowerCat 6 22.5 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White |
| MLG-00024-02 | 188000068 | PowerCat 6 45 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White |
| 16.A0012 | 180070055 | 22.5 x 45mm Blank Module - White |

### PowerCat 6 DIN Module

The PowerCat 6 DIN module is designed for compatibility with the 50 x 50mm DIN 49075 standard. The product is a fully assembled unit featuring the shuttered DataGate connector. The angled design reduces patch cord bend radius and features a protected labeling facility. Individual ports may be color coded using a connector icon label for site-specific network administration. The PowerCat 6 DIN module is available as a single or double port product and is supplied with a grid-plate.

- DIN 49075 compatible
- Shuttered RJ45 DataGate connector
- Protected labeling facility
- Angled fascia
- 1 and 2 Port versions

| Order No. | SAP No. | Description |
|---|---|---|
| WNC-00030-02 | 180410071 | PowerCat 6 1 Port DIN Module RJ45 568A/B UTP - White |
| WNC-00031-02 | 180410073 | PowerCat 6 2 Port DIN Module RJ45 568A/B UTP - White |

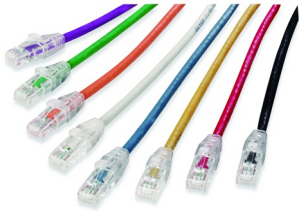
# Copper Solutions PowerCat 6 Unshielded

### PowerCat 6 Solid Cable Assemblies

PowerCat 6 Solid U/UTP Cable Assemblies are designed for implementation in Category 6 installations, where Consolidation Points or Cross Connect equipment cords are required. The product is available in PVC and LS0H Solid Cable to meet all requirements within LAN and Data Center environments.

- Category 6 performance
- LS0H versions
- 100% Factory Tested
- Strain relief boots for protection against cable tension

| Order No. | SAP No. | Description |
|---|---|---|
| **PVC Eca** | | |
| PCD-00456-0E | Consult Molex | PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Gray 4m |
| PCD-00457-0E | 181880018 | PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Gray - 6m |
| PCD-00458-0E | Consult Molex | PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Gray - 8m |
| PCD-00459-0E | Consult Molex | PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Gray - 10m |
| PCD-00460-0E | Consult Molex | PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Gray - 20m |
| PCD-00461-0E | Consult Molex | PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Gray - 30m |
| PCD-00462-0E | Consult Molex | PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Gray - 40m |
| **LS0H** | | |
| PCD-00464-0P | 181880025 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 4m |
| PCD-00465-0P | 181880026 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 6m |
| PCD-00466-0P | 181880027 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 8m |
| PCD-00467-0P | 181880028 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 10m |
| PCD-06000-0P | 181880037 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 15m |
| PCD-00468-0P | 181880029 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 20m |
| PCD-06001-0P | 181880038 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 25m |
| PCD-00469-0P | 181880030 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 30m |
| PCD-06002-0P | 181880039 | |
| PCD-00470-0P | 181880031 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 40m |
| PCD-00471-0P | 181880032 | PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 50m |
| PCD-00472-0P | 181880033 | PowerCat 6 U/UTP Solid Cable Assembly LS0H Violet - 60m |



### PowerCat 6 U/UTP Patch Cords

Molex PowerCat 6 U/UTP Patch Cords are key components of PowerCat 6 U/UTP End-to-End Solution. The PowerCat 6 Patch Cords are designed to support data networks for 10/100BASE-T and 1000BASE-T applications. The patch cable is made from high quality four pair 24 AWG stranded copper wire. Available in a range of colors and lengths, PowerCat 6 Patch Cords are pre-terminated with RJ45 plugs and feature anti-snag slim strain relief slip on boots.

- 4 pair 24 AWG stranded wire
- Pre-terminated with WE8W plugs
- Slim clear anti-snag slip on boots
- Suitable for EIA 568A or 568B wiring applications
- LS0H sheath

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-02000-** | Consult Molex | PowerCat 6 Patch Cord U/UTP, LS0H - 0.5m |
| PCD-02001-** | Consult Molex | PowerCat 6 Patch Cord U/UTP, LS0H - 1m |
| PCD-02002-** | Consult Molex | PowerCat 6 Patch Cord U/UTP, LS0H - 1.5m |
| PCD-02003-** | Consult Molex | PowerCat 6 Patch Cord U/UTP, LS0H - 2m |
| PCD-02005-** | Consult Molex | PowerCat 6 Patch Cord U/UTP, LS0H - 3m |
| PCD-02009-** | Consult Molex | PowerCat 6 Patch Cord U/UTP, LS0H - 5m |
| PCD-02013-** | Consult Molex | PowerCat 6 Patch Cord U/UTP, LS0H - 7m |
| PCD-02019-** | Consult Molex | PowerCat 6 Patch Cord U/UTP, LS0H - 10m |

Note: Other lengths are available, please contact Molex ** Color Options - 0C = Red, 0E = Gray, 0H = Blue, 0J = Green, 0K = Yellow, 0W = White, 0P = Purple, 0N = Orange, BK = Black

# Copper Solutions PowerCat 6 Unshielded

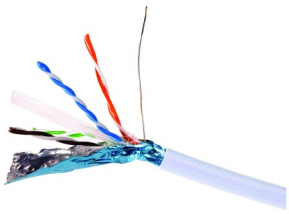
**Category 6 UTP Field Termination Plug**

The Molex Category 6 field termination plug is designed to support 1gb networks and can be easily terminated using parallel jaw pliers. The IDC is designed to accommodate different diameter conductors from 23 AWG- 26 AWG Solid Wire. The Field Termination Plug meets TIA-568.2-D Category 6 component performance. Ideal for use to provide wireless access points. It is also ideal in premise network applications, premise automation such as lighting, HVAC and other environmental sensor applications.

- Supports 1gb networks
- Designed to accommodate conductors from 23 AWG - 26 AWG
- Meets TIA-568.2-D Category 6 component performance
- UL approved
- Ideal for wireless access points and IP-enabled devices, data centers and premise network applications
- PoE+ Compliant
- Tool-free, no punch down tool required

| Order No. | SAP No. | Description |
|---|---|---|
| KSP-00003 | Consult Molex | Category 6 UTP Field Termination Plug |

# Copper Solutions PowerCat 6 Shielded



### PowerCat 6 F/UTP Cable

PowerCat 6 F/UTP 4 Pair cable has been designed to support Category 6 transmission systems. The four twisted pairs and drain-wire are enclosed in a shielding foil. A cross-member is provided to keep individual pairs separated for the reduction of NEXT and ELFEXT. The cable is available in PVC and LS0H sheaths on 500m reels.

- Shielded 4 pair PVC and LS0H cable
- Central separator for the reduction of NEXT & ELFEXT
- Color coded for ease of termination
- 500 meter reel
- Compliant with EN 50575:2014+A1:2016 EU
- Reaction to Fire Performance criteria

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00404-0E | Consult Molex | PowerCat 6 F/UTP PVC, Gray - 500m reel |

### PowerCat 6 Patch Cord, Shielded, Stranded, LS0H

Molex PowerCat 6 Shielded Patch Cords are key components of the PowerCat 6 shielded end-to-end solution. Molex PowerCat 6 Patch Cords are designed to support high speed networks. The patch cable is made from high quality four pair 26 AWG stranded copper wire. Available in a range of colors and lengths, PowerCat 6 patch cords are preterminated with RJ45 plugs and feature anti-snag slim strain relief slip on boots.

- 4 pair 26 AWG stranded wire
- Pre-terminated with RJ45 plugs
- Slim clear anti-snag slip on boots
- Suitable for EIA 568A or 568B wiring applications
- LS0H sheath
- RoHS Compliant

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-04001-** | Consult Molex | PowerCat 6 Patch Cord, Shielded, Stranded, LS0H - 1m |
| PCD-04003-** | Consult Molex | PowerCat 6 Patch Cord, Shielded, Stranded, LS0H - 2m |
| PCD-04005-** | Consult Molex | PowerCat 6 Patch Cord, Shielded, Stranded, LS0H - 3m |
| PCD-04009-** | Consult Molex | PowerCat 6 Patch Cord, Shielded, Stranded, LS0H - 5m |
| PCD-04013-** | Consult Molex | PowerCat 6 Patch Cord, Shielded, Stranded, LS0H - 7m |
| PCD-04019-** | Consult Molex | PowerCat 6 Patch Cord, Shielded, Stranded, LS0H - 10m |

** Color Options - 0C = Red, 0E = Gray, 0H = Blue, 0J = Green, 0K = Yellow

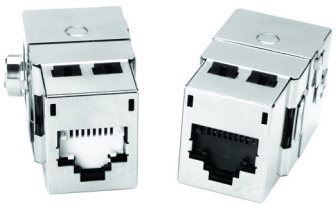
### PowerCat 6 FTP Patch Panel

The PowerCat 6 FTP Patch Panel is designed to support a growing requirement for shielded cabling systems offering enhanced EMC protection and improved Alien Crosstalk performance, providing 360° shielded protection by utilising a two piece tin/nickel plated brass can that encloses the RJ45 IDC.

- 24 Ports 1U
- Standard 19" rack mount
- Rear Cable Management
- Patented Spring-Loaded Shutter: - prevents incomplete mating - protects from dust and contaminants
- Patented IDC V-shaped contacts that flex not fatigue when terminated
- Features pointed IDC towers to speed termination and enhance cable retention
- 360° Shielded RJ45 Jack
- Dual color-coding allows for 568 A/B wiring configuration

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00182 | 181520015 | 1U 24 Port PowerCat 6 FTP Loaded Patch Panel 568A/B with Cable Management |
| CSP-00022-** | Consult Molex | Data 6-Pack Icons (Bag of 10) |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple



### PowerCat 6 Shielded DataGate Jack

The Molex PowerCat 6 Shielded DataGate Jack is a key component of the PowerCat 6 shielded channel compliant system. Designed to support a growing requirement for shielded cabling systems offering enhanced EMC protection and improved Alien Crosstalk performance.

- 360° Shielded RJ45 Jack
- color coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented Spring-Loaded Shutter
- RJ-11 compatible
- Accepts color coded port identification labels
- RoHS Compliant

| Order No. | SAP No. | Description |
|---|---|---|
| KSJ-00035-02 | Consult Molex | PowerCat 6 DataGate Jack RJ45 568A/B Shielded - White Shutter |
| KSJ-00035-04 | Consult Molex | PowerCat 6 DataGate Jack RJ45 568A/B Shielded - Black Shutter |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple

# Copper Solutions PowerCat 6 Shielded

### PowerCat 6 Shielded DataGate Patch Panel

The PowerCat 6 Shielded Patch Panel features the shuttered shielded DataGate connector, which is dual color coded for either 568A or 568B wiring. The panel comes complete with an integral cable management tray for cable strain relief and tidy cable dressing. Port numbering is provided on the front and rear of the panel and individual ports may be color coded using connector icon labels for site-specific network administration.

- 24 Ports 1U
- Rear cable management included
- Color coded port option
- 360° shielded shuttered DataGate connector
- 568A/B wiring schedule
- Graphite gray finish

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00182 | 181520015 | PowerCat 6 24 Port Patch Panel 568A/B Shielded - 1U |

### PowerCat 6 Shielded Euromod II Module

The Shielded Euromod modular system provides a flexible and versatile method of installation, allowing the user the choice of installing as many data outlets as required. The module is compatible with the Euromod range of wallplates and its angled design reduces patch cord bend radius. The Shielded Angled Euromod II module features the shuttered shielded DataGate Jack and 25 x 50mm fascia.

- 25 x 50mm fascia
- 360° shielded shuttered RJ45 DataGate connector
- Protected labeling facility
- Euromod wallplate compatible
- Angled fascia

| Order No. | SAP No. | Description |
|---|---|---|
| MEU-00058-02 | 181790002 | PowerCat 6 Angled Euromod II RJ45 568A/B Shielded - White |
| MEU-00058-04 | 181790003 | PowerCat 6 Angled Euromod II RJ45 568A/B Shielded - Black |

### PowerCat 6 Shielded Legrand Compatible Module

The PowerCat 6 Shielded 22.5 x 45mm and 45 x 45mm modules are compatible with the Legrand Mosaic range of 45 x 45mm bezels. Two modules or a single module and a blank may be installed in this format. The product is a fully assembled unit featuring the shielded shuttered DataGate connector. The angled design reduces patch cord bend radius and features a protected labeling facility. Individual ports may be color coded using a connector icon for site-specific network administration.

- Legrand bezel compatible
- 360° shielded shuttered RJ45 DataGate connector
- Protected labeling facility
- Angled fascia

| Order No. | SAP No. | Description |
|---|---|---|
| MLG-00022-02 | Consult Molex | PowerCat 6 22.5 x 45mm Legrand Compatible Module RJ45 568A/B Shielded - White |
| MLG-00025-02 | 188000069 | PowerCat 6 45 x 45mm Legrand Compatible Module RJ45 568A/B Shielded - White |
| 16.A0012 | 180070055 | 22.5 x 45mm Blank Module - White |

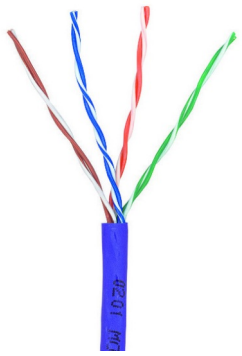
### PowerCat 6 Shielded DIN Module

The PowerCat 6 Shielded DIN module is designed for compatibility with the 50 x 50mm DIN 49075 standard. The product is a fully assembled unit featuring the shuttered shielded DataGate connector. The angled design reduces patch cord bend radius and features a protected labeling facility. Individual ports may be color coded using a connector icon label for site-specific network administration. The PowerCat 6 Shielded DIN module is available as a single or double port product and is supplied with a grid-plate.

- DIN 49075 compatible
- 1 and 2 Port versions
- 360° shielded shuttered RJ45 DataGate connector
- Protected labeling facility
- Angled fascia

| Order No. | SAP No. | Description |
|---|---|---|
| WNC-00036-02 | Consult Molex | PowerCat 6 1 Port DIN Module RJ45 568A/B Shielded - White |
| WNC-00037-02 | Consult Molex | PowerCat 6 2 Port DIN Module RJ45 568A/B Shielded - White |

# Copper Solutions PowerCat 5e



### PowerCat 5e U/UTP Cable

The PowerCat Cat 5e U/UTP cable is designed to support ultra high speed data networks such as Gigabit Ethernet (1000 Base-T) and features color coded pairs for ease of termination.

- 4 pair LS0H and PVC Cable
- Available in 305m pull boxes
- Available in blue and gray sheaths for application versatility

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00375-0H | 181700137 | PowerCat U/UTP C5e PVC - 500m Reel - Blue |
| CAA-00375-0E | 181700138 | PowerCat U/UTP C5e PVC -500m Reel - Gray |
| CAA-00375-0C | 181700142 | PowerCat U/UTP C5e PVC -500m Reel - Red |
| CAA-00375-0J | 181700139 | PowerCat U/UTP C5e PVC -500m Reel - Green |
| CAA-00375-0K | 181700140 | PowerCat U/UTP C5e PVC -500m Reel - Yellow |
| CAA-00375-0N | 181700141 | PowerCat U/UTP C5e PVC -500m Reel - Orange |
| CAA-00375-BK | 181700143 | PowerCat U/UTP C5e PVC -500m Reel - Black |
| CAA-00427-RD | 181700152 | PowerCat U/UTP C5e LS0H - 305m Box - Red |
| CAA-00427-0E | 181700153 | PowerCat U/UTP C5e LS0H - 305m Box - Gray |
| CAA-00427-BL | 181700154 | PowerCat U/UTP C5e LS0H -500m Reel - Blue |
| CAA-00427-GR | 181700155 | PowerCat U/UTP C5e LS0H -500m Reel - Green |
| CAA-00427-YL | 181700156 | PowerCat U/UTP C5e LS0H - 500m Reel - Yellow |
| CAA-00427-0N | 181700157 | PowerCat U/UTP C5e LS0H -500m Reel - Orange |
| CAA-00427-BK | 181700158 | PowerCat U/UTP C5e LS0H -500m Reel - Black |
| CAA-00428-0E | 181710025 | PowerCat U/UTP C5e -500m Reel - Gray |
| 39-504-5E | 181700098 | PowerCat U/UTP C5e LS0H Cable, Dca-s2,d2,a1 - 305m Reel - Violet |

### PowerCat DataGate Patch Panel

PowerCat Category 5e DataGate Panels feature the shuttered DataGate connector. These panels come with integral rear cable management trays and are available in 24 and 48 port versions. Individual ports can be color coded using an icon for site-specific network administration.

- 19" Shuttered DataGate Category 5e Panel
- EIA 568A/B color coded
- Integral cable management tray
- Graphite gray finish

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00174 | 182080372 | PowerCat 5e 24 Port DataGate Patch Panel RJ45 568A/B UTP - 1U |
| PID-00175 | 182080374 | PowerCat 5e 48 Port DataGate Patch Panel RJ45 568A/B UTP - 2U |
| **Accessories** | | |
| CSP-00021-** | Consult Molex | Blank Connector Icon Labels 6-Pack (Bag of 10) |
| CSP-00022-** | Consult Molex | Data Connector Icon Labels 6-Pack (Bag of 10) |
| CSP-00023-** | Consult Molex | Voice Connector Icon Labels 6-Pack (Bag of 10) |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple

### PowerCat Unloaded DataGate Panels

Molex PowerCat Unloaded DataGate Patch Panels can be configured to provide the exact number of modular ports required. DataGate Category 5e UTP, Category 6 UTP, or Category 6A shielded jacks can be terminated to cable and then snapped into this DataGate patch panel. The patch panel and rear cable manager are constructed of cold-rolled steel for strength and durability.

- Available in 1U 24P Flat, 1U 24P Angled, 2U 48P Flat, 2U 48P Angled
- Easy snap in DataGate UTP or Shielded Jacks (sold separately)
- Modularity provides installation flexibility
- Front portable labeling
- Individually removable patch panel ports
- Removable cable management shelves ensure bend radius compliance
- ANSI and metric hardware kit included
- Grounding screws included

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00258 | 180810031 | PowerCat 24 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 1U - Black |
| PID-00259 | 180810032 | PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U - Black |
| PID-00260 | 180810033 | PowerCat 48 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 2U - Black |
| PID-00261 | 180810034 | PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U - Black |
| KSJ-00005-0* | Consult Molex | Single Position Blank Module (Bag of 25) |

* Color Options - 2 = White, 4 = Black

Keystone Jack
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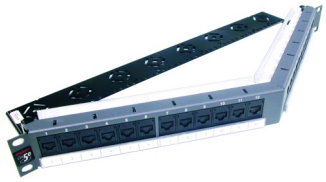
### Keystone Patch Panel

The Molex Keystone panel provides an unloaded panel that can be loaded with the Molex range of Keystone UTP jacks. Keystone patch panels are designed to be loaded with individual jacks allowing for easy maintenance if jacks have to be removed or replaced. Suitable for small installations with the feature of expanding for future upgrades.

- 1U 24 Port
- Standard 19" rack mount
- Unloaded Keystone Aperture
- Universal front labeling system that accepts 13mm commercial labels for a professional appearance
- Accommodates PowerCat 6 and PowerCat UTP Keystone jacks

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00257 | 182960014 | 24 Port Keystone Jack Patch Panel 1U Unloaded - Metric fixing kit |
| PID-00289 | 182960027 | 48 Port Keystone Jack Patch Panel 2U Unloaded - Metric fixing kit |
| KSJ-00064-** | Consult Molex | Keystone Blank |
| CSP-00039 | 181170026 | Spare Fixing Kit for PID-00257 or PID-00289 includes both Metric and Imperial Fittings |

** Color Options: 02 =White, 04 = Black



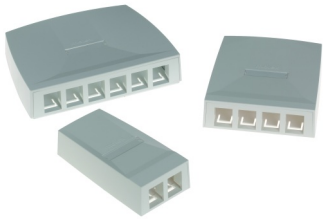
### PowerCat Angled Patch Panels

Angled Patch Panels are ideal for installations of high density or which utilize extensive side and end-of-the-rack cable management. The angled feature provides enhanced port access and minimizes patch cord bend radius to the rack. Each port features a patented spring-loaded shutter and can be color coded to match jack outlets and provides both front and rear labeling options.

- Angled design
- Shuttered DataGate RJ45
- 24 Ports 1U & 48 Port 2U
- Category 5e performance
- EIA 568A/B wired
- Standard 19" rack mount
- Individually removable patch panel ports
- Integral cable management tray

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00154 | 182080245 | PowerCat 5e 24 Port Angled Patch Panel RJ45 568A/B UTP - 1U |
| PID-00155 | 182080295 | PowerCat 5e 48 Port Angled Patch Panel RJ45 568A/B UTP - 2U |
| **Accessories** | | |
| CSP-00021-** | Consult Molex | Blank Connector Icon Labels 6-Pack (Bag of 10) |
| CSP-00022-** | Consult Molex | Data Connector Icon Labels 6-Pack (Bag of 10) |
| CSP-00023-** | Consult Molex | Voice Connector Icon Labels 6-Pack (Bag of 10) |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple



### Synergy Surface Mount Box

The PowerCat Synergy Surface Box is ideal for use in open office cabling. The 2, 4 and 6 port boxes are supplied unloaded and accept the DataGate Jack and Synergy Single Position Modules. The single port versions ship loaded with the DataGate Jack. Synergy Surface Boxes offer simple and organized installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box. Individual ports can also be color coded for site-specific network administration using connector icon labels.

- Stylish design
- Simple, organized cable entry and installation
- Screw fixing
- Clear and concise labeling
- DataGate Jack & Synergy Module compatible

DataGate Jacks
Page 22

Fiber Modules
Page 67

Multimedia Modules
Page 97

| Order No. | SAP No. | Description |
|---|---|---|
| SSY-00014-02 | 181340013 | PowerCat 2 Port Synergy Surface Box, Unloaded - White |
| SSY-00015-02 | 181340016 | PowerCat 4 Port Synergy Surface Box, Unloaded - White |
| SSY-00016-02 | 181340019 | PowerCat 6 Port Synergy Surface Box, Unloaded - White |
| SBX-00009-02 | 182950000 | PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded) |
| SBX-00005-02 | 181770326 | PowerCat 6 1 Port Synergy Surface Box RJ45 UTP White (loaded) |
| SBX-00006-02 | 18338002 | PowerCat 5e 1 Port Synergy Surface Box RJ45 UTP White (loaded) |

# Copper Solutions PowerCat 5e

### Keystone Jack 1 & 2 Port Surface Mount Boxes

Simple, organized installation for work areas where surface mount is the only option, such as confined spaces. The product is compatible with Molex range of Keystone Jacks, C5e, C6 and C6A. The base is mounted with the screws provided. Keystone Jacks are fitted into the base of the box from the rear to reduce the risk of tampering, and the cable is secured to base using the cable tie off points provided. The design of the Snap-On cover is contoured for a sleek and contemporary appearance and includes a protected label window for clear port identification.

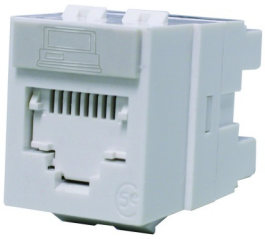
- Utilizes C5e UTP, Cat 6 UTP, Cat 6A shielded and unshielded Molex Keystone Jacks
- Contemporary styling
- Rear loaded Keystone Jacks to reduce tampering
- Slotted screw holes for easy alignment and removal
- Protected label holder for clear port identification
- Supplied unloaded

| Order No. | SAP No. | Description |
|---|---|---|
| OSB-00001-02 | 181350007 | 1 Port Keystone Surface Mount Box - White |

Keystone Jack C6A UTP Page 7

Keystone Jack C6A Shielded Page 14

Keystone Jack C6 UTP Page 23

### PowerCat DataGate Jacks

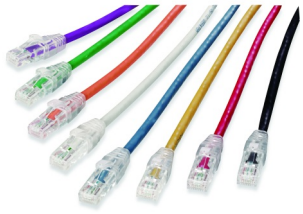
The DataGate jack is designed to maintain clean secure connections. The RJ45 jack features a patented 'spring-loaded shutter' which protects it from dust and contaminants as well as providing tactile feedback. The spring-loaded shutter pops out an improperly seated patch cord, all with single-handed plug-in and removal. Available in eleven colors the DataGate jack utilize patented IDC V-shaped contacts that flex not fatigue when terminated and provides molded category identification on jack face as well as optional port identification icons.

- Integral 'spring-loaded' shutter that prevents incomplete mating
- IDC contacts that flex not fatigue when terminated
- Pointed IDC towers to speed termination and enhance cable retention
- 568A/B wiring configuration
- Allows rear and side entry cable termination
- Designed for use with Molex's Synergy, Streamline & USO II system of wallplates and surface blocks Compatible with Molex Unloaded DataGate Patch Panels

DataGate Patch Panels Page 13


| Order No. | SAP No. | Description |
|---|---|---|
| KSJ-00024-** | Consult Molex | PowerCat 5e DataGate Jack, 568A/B - Shuttered |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple. Standard Stocked Colors - Black and White. All colors may be subject to availability and variable pricing.



### PowerCat UTP Patch Cords

Molex PowerCat 5e U/UTP Patch Cords are key components of PowerCat 5e U/UTP End-to-End Solution. PowerCat Patch Cords were designed to support data networks for 10/100BASE-T and 1000BASE-T applications. The patch cable is made from high quality 4 pair 24 AWG stranded copper wire. Available in a range of colors and lengths, PowerCat 5e patch cords are pre-terminated with RJ45 plugs and feature anti-snag slim strain relief slip on boots.

- 4 pair 24 AWG stranded wire
- Pre-terminated with WE8W plugs
- Slim clear anti-snag slip on boots
- Suitable for EIA 568A or 568B wiring applications
- LS0H sheath
- RoHS Compliant

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-01000-** | Consult Molex | PowerCat 5e Patch Cord U/UTP, LS0H - 0.5m |
| PCD-01001-** | Consult Molex | PowerCat 5e Patch Cord U/UTP, LS0H - 1m |
| PCD-01002-** | Consult Molex | PowerCat 5e Patch Cord U/UTP, LS0H - 1.5m |
| PCD-01003-** | Consult Molex | PowerCat 5e Patch Cord U/UTP, LS0H - 2m |
| PCD-01005-** | Consult Molex | PowerCat 5e Patch Cord U/UTP, LS0H - 3m |
| PCD-01009-** | Consult Molex | PowerCat 5e Patch Cord U/UTP, LS0H - 5m |
| PCD-01013-** | Consult Molex | PowerCat 5e Patch Cord U/UTP, LS0H - 7m |
| PCD-01019-** | Consult Molex | PowerCat 5e Patch Cord U/UTP, LS0H - 10m |

** Color Options - 0C=Red, 0E=Gray, 0H=Blue, 0J=Green, 0K=Yellow, 0W=White, 0P=Purple, 0N=Orange, BK=Black All colors and lengths may be subject to availability and variable pricing.

**M12 SF/UTP D Code Category 5e Assembly**

Molex M12 D code assemblies are designed to withstand harsh-industrial and weather environments with superior quality that assures very reliable connections for control elements in automated equipment. These high-quality connectors allow fast and simple replacement of sensors, encoders, switches and other industry network input and output devices in industrial machinery. The M12 assembly offers a sealed connection with superior EMI/RFI shielding in high-vibration environment.

- SF/UTP Cable with excellent EMC performance
- Sealed connection to support harsh industrial environments
- Prevents the coupler from loosening even under vibration
- Compatible with Industry standard IEC 61076-2-101 interface
- Category 5e performance up to 100MHz bandwidth
- Male and female
- D code with 4 poles to support industrial network

**PCD-03SFAABB-CC-I***

**Patch Cord Family**

**PUR Sheath**

**Shield:SF/UTP**

**Connector:**
RR=RJ45 to RJ45
MM=M12 Male to M12 Male
RM=RJ45 to M12 Female

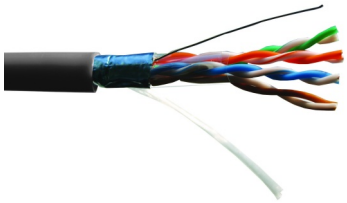
**Length in Meters 0.5M TO 90M**
For 0.5 Stage:
0A= 0.5M
0B=1.5M
0C=2.5M
0D=3.5M
0E=4.5M
0F=5.5M
0G=6.5M
0H=7.5M
0I=8.5M
0J=9.5M
0K=10.5M
0L=11.5M
0M=12.5M
0N=13.5M
0O=14.5M
0P=15.5M
0Q=16.5M
0R=17.5M
0S=18.5M
0T=19.5M

**Jacket Color Code**
WB - Water Blue (RAL-5021)
0W - White
BK - Black
0H - Blue
0E - Gray
0J - Green
0K - Yellow
0N - Orange
0P - Purple
0C - Red
PK - Pink

For India Only

| Order No. | SAP No. | Description |
|---|---|---|
| PCD-03SFAABB-CC-* | Consult Molex | M12 SF/UTP D Code Category 5e Assembly |

# Copper Solutions PowerCat 5e Shielded



**PowerCat 5e F/UTP Cable**

PowerCat 5e F/UTP 4 pair cable with overall shield and drain-wire is available in PVC. Available in 305m.

- 4 pair PVC Cable
- Color coded pairs for ease of termination
- 305m reel

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00403-0E | Consult Molex | PowerCat 5e F/UTP PVC Cable - 500m reel |

# Tomorrow's innovations ›

**Optical fiber is an integral medium for structured cabling systems. Its bandwidth capabilities, resistance to interference and its ability to be run long distances have made it the ideal choice for facility or campus backbones.**

**With truly future-ready performance, fiber is also becoming more prevalent in high-speed networks.**

# Fiber Optic Solutions

## Tailored for Every Application

Molex’s comprehensive range of fiber products are available to suit applications including outdoor environments, campus applications and telecom access lines, in Backbone or To-The-Desk applications.

## Designed for Exceptional Performance

Our advanced manufacturing processes ensure our fiber products are built to the highest standards and meet or exceed all Telecommunication, CATV and Data Communication Industry standards.

## Future-Ready Network Infrastructure

The latest OM5 fiber supports 400G transmission and provides a logical migration path to support future higher speed Ethernet. It also offers significant cost savings and supports longer transmission distances

# Fiber Optic Solution Lightband Cable

**Fiber Cable - Internal/External Tight Buffered**

Molex Fiber Cable is available in multiple cores using tight buffered 9/125µm, 50/125µm and 62/125µm distribution grade fiber that either meets or exceeds, OM2, 3, 4, 5 and OS1a/2 standards. The outer jacket is LS0H.

- Internal or dry/free draining duct installation
- “E glass” yarn strength member
- 900µm secondary coated fiber
- All meet or exceed OS2 Singlemode, OM2, 3, 4, 5 Multimode standards
- LS0H sheaths

| Order No. | SAP No. | Description |
|---|---|---|
| **OM2** | | |
| CFR-00373 | 180580441 | 4-Core Fiber Cable: Tight Buffered, Color: Green |
| CFR-00374 | 180580441 | 6-Core Fiber Cable: OM2, Tight Buffered: Color: Green |
| CFR-00375 | 180580441 | 8-Core Fiber Cable: OM2, Tight Buffered, Color:Green |
| CFR-00376 | 180580441 | 12-Core Fiber Cable: OM2, Tight Buffered, Color: Green |
| CFR-00378 | 180580445 | 24-Core Fiber Cable: OM2, Tight Buffered, Color: Green |
| **OM3** | | |
| CFR-00380 | 180580449 | 4-Core Fiber Cable: OM3, Tight Buffered, Color: Green |
| CFR-00381 | 180580451 | 6-Core Fiber Cable: OM3, Tight Buffered, Color: Green |
| CFR-00382 | 180580453 | 8-Core Fiber Cable: OM3, Tight Buffered, Color: Green |
| CFR-00383 | 180580454 | 12-Core Fiber Cable: OM3, Tight Buffered, Color: Green |
| CFR-00384 | 180580455 | 24-core Fiber Cable: OM3, Tight Buffered, Color: Green |
| **OM4** | | |
| CFR-00584 | 180580370 | 4-Core Fiber Cable: OM4, Tight Buffered, Color: Green |
| CFR-00585 | 180580371 | 6-Core Fiber Cable: OM4, Tight Buffered, Color: Green |
| CFR-00586 | 180580372 | 8-Core Fiber Cable: OM4, Tight Buffered, Color: Green |
| CFR-00587 | 180580373 | 12-Core Fiber Cable: OM4, Tight Buffered, Color: Green |
| CFR-00589 | 180580375 | 24-Core Fiber Cable: OM4, Tight Buffered, Color: Green |
| **OM5** | | |
| CFR-00712 | 183280019 | 4-Core Fiber Cable: OM5, Tight Buffered, Color: Lime Green |
| CFR-00713 | 183280020 | 6-Core Fiber Cable: OM5, Tight Buffered, Color: Lime Green |
| CFR-00714 | 183280021 | 8-Core Fiber Cable: OM5, Tight Buffered, Color: Lime Green |
| CFR-00715 | 183280022 | 12-Core Fiber Cable: OM5, Tight Buffered, Color: Lime Green |
| CFR-00716 | 183280023 | 24-Core Fiber Cable: OM5, Tight Buffered, Color: Lime Green |
| **OS2** | | |
| CFR-00387 | 180580464 | 4-Core Fiber Cable: OS2, Tight Buffered, Color: Green |
| CFR-00388 | 180580466 | 6-Core Fiber Cable: OS2, Tight Buffered, Color: Green |
| CFR-00389 | 180580468 | 8-Core Fiber Cable: OS2, Tight Buffered, Color: Green |
| CFR-00390 | 180580469 | 12-Core Fiber Cable: OS2, Tight Buffered, Color: Green |
| CFR-00392 | 180580471 | 24-Core Fiber Cable: OS2, Tight Buffered, Color: Green |

# Fiber Optic Solution Lightband Cable

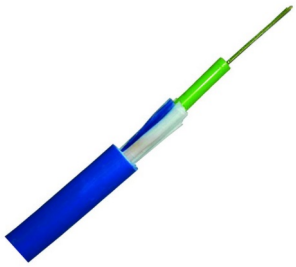
**Fiber Optic Cable Heavy Duty Duct LT Internal/External LS0H**

Heavy Duty Duct Internal/External cable is designed for LAN backbones. The cable is suitable for indoor applications and outdoors in ducts. Totally non-metallic constructions and sustained reliability over a wide temperature range. Loose tube “dry” water blocking construction. Low smoke zero halogen sheath fire performance for occupied work areas.

- Suitable for indoor applications on trays and outdoor in ducts
- The Low Smoke Zero Halogen fire retardant sheath (LSZH), fire performance for occupied work areas
- A totally non-metallic construction ensures lightning immunity
- Sustained reliability over a wide temperature range
- Loose tube constructions
- “Dry” water-blocking materials ensure user friendly handling

| Order No. | SAP No. | Description |
|---|---|---|
| CFR-00754 | 183150105 | Fiber Optic Cable, South Africa, 4 Core, Internal, Singlemode OS2, Loose Tube, LS0H Yellow |
| CFR-00755 | 183150106 | Fiber Optic Cable, South Africa, 6 Core, Internal, Singlemode OS2, Loose Tube, LS0H Yellow |
| CFR-00756 | 183150107 | Fiber Optic Cable, South Africa, 8 Core, Internal, Singlemode OS2, Loose Tube, LS0H Yellow |
| CFR-00757 | 183150108 | Fiber Optic Cable, South Africa, 12 Core, Internal, Singlemode OS2, Loose Tube, LS0H Yellow |
| CFR-00758 | 183150109 | Fiber Optic Cable, South Africa, 24 Core, Internal, Singlemode OS2, Loose Tube, LS0H Yellow |
| CFR-00759 | 183150161 | Fiber Optic Cable, South Africa, 48 Core, Internal, Singlemode OS2, Loose Tube, LS0H ; Yellow |
| CFR-00760 | 183150110 | Fiber Optic Cable, South Africa, 4 Core, Internal, Multimode OM2, Loose Tube, LS0H Gray |
| CFR-00761 | 183150111 | Fiber Optic Cable, South Africa, 6 Core, Internal, Multimode OM2, Loose Tube, LS0H Gray |
| CFR-00762 | 183150112 | Fiber Optic Cable, South Africa, 8 Core, Internal, Multimode OM2, Loose Tube, LS0H Gray |
| CFR-00763 | 183150113 | Fiber Optic Cable, South Africa, 12 Core, Internal, Multimode OM2, Loose Tube, LS0H Gray |
| CFR-00764 | 183150114 | Fiber Optic Cable, South Africa, 24 Core, Internal, Multimode OM2, Loose Tube, LS0H Gray |
| CFR-00814 | 183150162 | Fiber Optic Cable, South Africa, 48 Core, Internal, Multimode OM2, Loose Tube, LS0H ; Gray |
| CFR-00765 | 183150115 | Fiber Optic Cable, South Africa, 4 Core, Internal, Multimode OM3, Loose Tube, LS0H Aqua |
| CFR-00766 | 183150116 | Fiber Optic Cable, South Africa, 6 Core, Internal, Multimode OM3, Loose Tube, LS0H Aqua |
| CFR-00767 | 183150117 | Fiber Optic Cable, South Africa, 8 Core, Internal, Multimode OM3, Loose Tube, LS0H Aqua |
| CFR-00768 | 183150118 | Fiber Optic Cable, South Africa, 12 Core, Internal, Multimode OM3, Loose Tube, LS0H Aqua |
| CFR-00769 | 183150119 | Fiber Optic Cable, South Africa, 24 Core, Internal, Multimode OM3, Loose Tube, LS0H Aqua |
| CFR-00815 | 183150163 | Fiber Optic Cable, South Africa, 48 Core, Internal, Multimode OM3, Loose Tube, LS0H ; Aqua |
| CFR-00770 | 183150120 | Fiber Optic Cable, South Africa, 4 Core, Internal, Multimode OM4, Loose Tube, LS0H Erika Violet |
| CFR-00771 | 183150121 | Fiber Optic Cable, South Africa, 6 Core, Internal, Multimode OM4, Loose Tube, LS0H Erika Violet |
| CFR-00772 | 183150122 | Fiber Optic Cable, South Africa, 8 Core, Internal, Multimode OM4, Loose Tube, LS0H Erika Violet |
| CFR-00773 | 183150123 | Fiber Optic Cable, South Africa, 12 Core, Internal, Multimode OM4, Loose Tube, LS0H Erika Violet |
| CFR-00774 | 183150124 | Fiber Optic Cable, South Africa, 24 Core, Internal, Multimode OM4, Loose Tube, LS0H Erika Violet |
| CFR-00186 | 183150164 | Fiber Optic Cable, South Africa, 48 Core, Internal, Multimode OM4, Loose Tube, LS0H ; Erika Violet |

# Fiber Optic Solution Lightband Cable



### Fiber Cable - Multi-Purpose Loose Tube

Molex multi-purpose fiber optic loose tube cable is suitable for LAN backbones, telecom access lines and campus backbones. The cable is a gel filled central loose tube design with swellable glass yarns as a strength member and rodent protection. The outer jacket is LS0H.

- Loose tube
- Gel filled
- Glass strength member

| Order No. | SAP No. | Description |
|---|---|---|
| **OM2, color: Blue** | | |
| CFR-00569 | 180580481 | 4-Core Fiber Cable |
| CFR-00570 | 180580482 | 6-Core Fiber Cable |
| CFR-00571 | 180580483 | 8-Core Fiber Cable |
| CFR-00572 | 180580484 | 12-Core Fiber Cable |
| CFR-00573 | 180580485 | 24-Core Fiber Cable: Tight Buffered, Color: Blue |
| **OM3, color: Blue** | | |
| CFR-00574 | 180580486 | 4-Core Fiber Cable |
| CFR-00575 | 180580487 | 6-Core Fiber Cable |
| CFR-00576 | 180580488 | 8-Core Fiber Cable |
| CFR-00577 | 180580489 | 12-Core Fiber Cable |
| CFR-00578 | 180580491 | 24-Core Fiber Cable |
| **OM4, color: Blue** | | |
| CFR-00594 | 180580492 | 4-Core Fiber Cable |
| CFR-00595 | 180580493 | 6-Core Fiber Cable |
| CFR-00596 | 180580494 | 8-Core Fiber Cable |
| CFR-00597 | 180580495 | 12-Core Fiber Cable |
| CFR-00598 | 180580496 | 24-Core Fiber Cable |
| **OM5, Color: Lime Green** | | |
| CFR-00702 | 183150070 | 4-Core Fiber Cable |
| CFR-00703 | 183150071 | 6-Core Fiber Cable |
| CFR-00704 | 183150072 | 8-Core Fiber Cable |
| CFR-00705 | 183150073 | 12-Core Fiber Cable |
| CFR-00706 | 183150074 | 24-Core Fiber Cable |
| **OS2, Color: Blue** | | |
| CFR-00579 | 180580497 | 4-Core Fiber Cable |
| CFR-00580 | 180580498 | 6-Core Fiber Cable |
| CFR-00581 | 180580499 | 8-Core Fiber Cable |
| CFR-00582 | 180580500 | 12-Core Fiber Cable |
| CFR-00583 | 180580501 | 24-Core Fiber Cable |

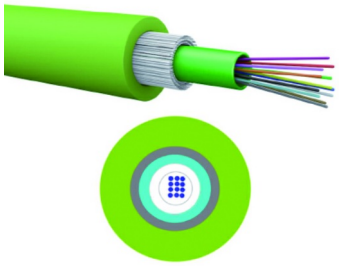
### Fiber Cable - Direct Burial Armored Loose Tube

Molex Loose Tube Armored Fiber Cable is constructed of gel filled loose tubes (4-24 fibers). The core is water blocked, wrapped in polyester tape with an inner and outer MDPE sheath. Corrugated steel armoring makes the cable rodent resistant. The cable is designed for direct burial, outdoor data communication applications.

- Outdoor direct burial
- Corrugated steel armored
- Rodent resistant
- Gel filled loose tube construction
- MDPE Sheath

| Order No. | SAP No. | Description |
|---|---|---|
| **OM2 (50/125)** | | |
| CFR-00544 | 180570093 | 4-core Direct Burial Cable |
| CFR-00545 | 180570094 | 6-core Direct Burial Cable |
| CFR-00546 | 180570095 | 8-core Direct Burial Cable |
| CFR-00547 | 180570096 | 12-core Direct Burial Cable |
| CFR-00548 | 180570097 | 16-core Direct Burial Cable |
| CFR-00549 | 180570098 | 24-core Direct Burial Cable |
| **OM3 (50/125)** | | |
| CFR-00551 | 180570100 | 4-core Direct Burial Cable |
| CFR-00552 | 180570101 | 6-core Direct Burial Cable |
| CFR-00553 | 180570102 | 8-core Direct Burial Cable |
| CFR-00554 | 180570103 | 12-core Direct Burial Cable |
| CFR-00555 | 180570104 | 16-core Direct Burial Cable |
| CFR-00556 | 180570105 | 24-core Direct Burial Cable |
| **OS1a/2 (9/125)** | | |
| CFR-00558 | 180570107 | 4-core Direct Burial Cable |
| CFR-00559 | 180570108 | 6-core Direct Burial Cable |
| CFR-00560 | 180570109 | 8-core Direct Burial Cable |
| CFR-00561 | 180570110 | 12-core Direct Burial Cable |
| CFR-00562 | 180570111 | 16-core Direct Burial Cable |
| CFR-00563 | 180570112 | 24-core Direct Burial Cable |

# Fiber Optic Solution Lightband Cable



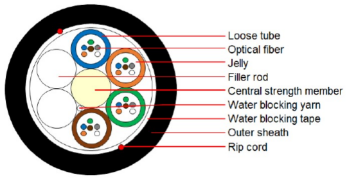
**Fiber Optic Distribution Cable, Indoor/Outdoor Non-Metallic Gel Filled Loose Tube, LS0H, B2ca-s1a,d1,a1**

Molex LS0H central loose tube fiber cable can be used for LAN and WAN applications. Non-metallic rodent-proof Unitube cable with gel-filled tubes and water-blocked design, making it well suited for indoors on trays and in ducts, and limited outdoor use in ducts. The cable jacket is made of halogen-free, flame-retardant and UV stabilized material. LS0H EuroClass B2ca,s1a,d1,a1 sheath.

- Available in OS2, OM3, OM4 and OM5
- LAN and WAN applications
- Rodent proof
- LS0H EuroClass B2ca,s1a,d1,a1 sheath

| Order No. | SAP No. | Description |
|---|---|---|
| CFR-00831 | 183150168 | Optical Fiber Cable 4F Non-Metallic Unitube LS0H OS2 B2ca-s1a,d1,a1 - Yellow |
| CFR-00832 | 183150169 | Optical Fiber Cable 6F Non-Metallic Unitube LS0H OS2 B2ca-s1a,d1,a1 - Yellow |
| CFR-00833 | 183150170 | Optical Fiber Cable 8F Non-Metallic Unitube LS0H OS2 B2ca-s1a,d1,a1 - Yellow |
| CFR-00834 | 183150171 | Optical Fiber Cable 12F Non-Metallic Unitube LS0H OS2 B2ca-s1a,d1,a1 - Yellow |
| CFR-00835 | 183150172 | Optical Fiber Cable 24F Non-Metallic Unitube LS0H OS2 B2ca-s1a,d1,a1 - Yellow |
| CFR-00836 | 183150173 | Optical Fiber Cable 4F Non-Metallic Unitube LS0H OM3 B2ca-s1a,d1,a1 - Aqua |
| CFR-00837 | 183150174 | Optical Fiber Cable 6F Non-Metallic Unitube LS0H OM3 B2ca-s1a,d1,a1 - Aqua |
| CFR-00838 | 183150175 | Optical Fiber Cable 8F Non-Metallic Unitube LS0H OM3 B2ca-s1a,d1,a1 - Aqua |
| CFR-00839 | 183150176 | Optical Fiber Cable 12F Non-Metallic Unitube LS0H OM3 B2ca-s1a,d1,a1 - Aqua |
| CFR-00840 | 183150177 | Optical Fiber Cable 24F Non-Metallic Unitube LS0H OM3 B2ca-s1a,d1,a1 - Aqua |
| CFR-00841 | 183150178 | Optical Fiber Cable 4F Non-Metallic Unitube LS0H OM4 B2ca-s1a,d1,a1 - Erika Violet |
| CFR-00842 | 183150179 | Optical Fiber Cable 6F Non-Metallic Unitube LS0H OM4 B2ca-s1a,d1,a1 - Erika Violet |
| CFR-00843 | 183150180 | Optical Fiber Cable 8F Non-Metallic Unitube LS0H OM4 B2ca-s1a,d1,a1 - Erika Violet |
| CFR-00844 | 183150181 | Optical Fiber Cable 12F Non-Metallic Unitube LS0H OM4 B2ca-s1a,d1,a1 - Erika Violet |
| CFR-00845 | 183150182 | Optical Fiber Cable 24F Non-Metallic Unitube LS0H OM4 B2ca-s1a,d1,a1 - Erika Violet |
| CFR-00846 | 183150183 | Optical Fiber Cable 4F Non-Metallic Unitube LS0H OM5 B2ca-s1a,d1,a1 - Lime Green |
| CFR-00847 | 183150184 | Optical Fiber Cable 6F Non-Metallic Unitube LS0H OM5 B2ca-s1a,d1,a1 - Lime Green |
| CFR-00848 | 183150185 | Optical Fiber Cable 8F Non-Metallic Unitube LS0H OM5 B2ca-s1a,d1,a1 - Lime Green |
| CFR-00849 | 183150186 | Optical Fiber Cable 12F Non-Metallic Unitube LS0H OM5 B2ca-s1a,d1,a1 - Lime Green |
| CFR-00850 | 183150187 | Optical Fiber Cable 24F Non-Metallic Unitube LS0H OM5 B2ca-s1a,d1,a1 - Lime Green |

# Fiber Optic Solution Lightband Cable

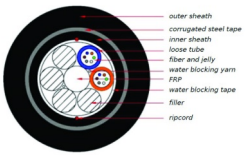



**Fiber Optic Cable Heavy Duty Duct LT Internal/External PE**

Molex heavy duty internal/external fiber optic cable is designed for LAN backbones. The product is suitable for duct applications. The single mode fiber G.652.D fiber has been developed to reduce the water peak at the 1383nm wavelength range. Multimode OM3 and OM4 versions are also available.

- Suitable for indoor applications on trays and outdoor in ducts
- PE sheath
- Non-metallic construction
- Loose tube construction
- Low water peak G.652.D fiber
- OM3 and OM4 suitable for systems operating at 850nm and 1300nm wavelengths

| Order No. | SAP No. | Description |
|---|---|---|
| CFR-00783 | 183150132 | Fiber Optic Cable, 4F, Int/Ext, Singlemode OS2, G652.D, Loose Tube, PE - Black |
| CFR-00784 | 183150133 | Fiber Optic Cable, 6F, Int/Ext, Singlemode OS2, G652.D, Loose Tube, PE - Black |
| CFR-00785 | 183150134 | Fiber Optic Cable, 8F, Int/Ext, Singlemode OS2, G652.D, Loose Tube, PE - Black |
| CFR-00786 | 183150135 | Fiber Optic Cable, 12F, Int/Ext, Singlemode OS2, G652.D, Loose Tube, PE - Black |
| CFR-00787 | 183150136 | Fiber Optic Cable, 24F, Int/Ext, Singlemode OS2, G652.D, Loose Tube, PE - Black |
| CFR-00817 | 183150165 | Fiber Optic Cable, 48F, Int/Ext, Singlemode OS2, G652.D, Loose Tube, PE - Black |
| CFR-00793 | 183150142 | Fiber Optic Cable, 4F, Int/Ext, Multimode OM3, Loose Tube, PE - Black |
| CFR-00794 | 183150143 | Fiber Optic Cable, 6F, Int/Ext, Multimode OM3, Loose Tube, PE - Black |
| CFR-00795 | 183150144 | Fiber Optic Cable, 8F, Int/Ext, Multimode OM3, Loose Tube, PE - Black |
| CFR-00796 | 183150145 | Fiber Optic Cable, 12F, Int/Ext, Multimode OM3, Loose Tube, PE - Black |
| CFR-00797 | 183150146 | Fiber Optic Cable, 24F, Int/Ext, Multimode OM3, Loose Tube, PE - Black |
| CFR-00818 | 183150166 | Fiber Optic Cable, 48F, Int/Ext, Multimode OM3, Loose Tube, PE - Black |
| CFR-00798 | 183150147 | Fiber Optic Cable, 4F, Int/Ext, Multimode OM4, Loose Tube, PE - Black |
| CFR-00799 | 183150148 | Fiber Optic Cable, 6F, Int/Ext, Multimode OM4, Loose Tube, PE - Black |
| CFR-00800 | 183150149 | Fiber Optic Cable, 8F, Int/Ext, Multimode OM4, Loose Tube, PE - Black |
| CFR-00801 | 183150150 | Fiber Optic Cable, 12F, Int/Ext, Multimode OM4, Loose Tube, PE - Black |
| CFR-00802 | 183150151 | Fiber Optic Cable, 24F, Int/Ext, Multimode OM4, Loose Tube, PE - Black |
| CFR-00819 | 183150167 | Fiber Optic Cable, 48F, Int/Ext, Multimode OM4, Loose Tube, PE - Black |



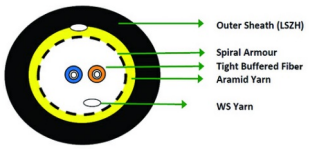

**Fiber Optic Cable CST Double Sheath LT External PE**

Molex corrugated steel tape (CST) armored cable is a rugged cable suitable for outdoor/external installations. The double polyethylene (PE) sheath makes the cable suitable for installation in underground ducts or direct burial. The corrugated steel tape provides mechanical and rodent protection.

- Double PE sheath for rugged external installations
- Corrugated Steel Tape for mechanical and rodent protection
- Multi Loose Tube, gel filled construction
- Singlemode G.562.D and Multimode OM3 variants available

| Order No. | SAP No. | Description |
|---|---|---|
| CFR-00820 | 180570661 | Fiber Optic Cable South Africa 12F LT CST EXT SM G562.D PE Black |
| CFR-00821 | 180570662 | Fiber Optic Cable South Africa 24F LT CST EXT SM G562.D PE Black |
| CFR-00822 | 180570663 | Fiber Optic Cable South Africa 48F LT CST EXT SM G562.D PE Black |
| CFR-00823 | 180570664 | Fiber Optic Cable South Africa 96F LT CST EXT SM G562.D PE Black |
| CFR-00824 | 180570665 | Fiber Optic Cable South Africa 144F LT CST EXT SM G562.D PE Black |
| CFR-00825 | 180570666 | Fiber Optic Cable South Africa 288F LT CST EXT SM G562.D PE Black |
| CFR-00826 | 180570667 | Fiber Optic Cable South Africa 4F LT CST EXT MM OM3 PE Black |
| CFR-00827 | 180570668 | Fiber Optic Cable South Africa 8F LT CST EXT MM OM3 PE Black |
| CFR-00828 | 180570669 | Fiber Optic Cable South Africa 12F LT CST EXT MM OM3 PE Black |
| CFR-00829 | 180570670 | Fiber Optic Cable South Africa 24F LT CST EXT MM OM3 PE Black |
| CFR-00830 | 180570671 | Fiber Optic Cable South Africa 48F LT CST EXT MM OM3 PE Black |

# Fiber Optic Solution Lightband Cable




**Indoor/Outdoor Spiral Steel Tube LS0H Fiber Cable**

Cable containing up to 6 optical fibers in spiral stainless steel tube. The optical fibers are reinforced with water blocking aramid yarns and sheathed in a flame retardant Low Smoke Zero Halogen compound. This Indoor/Outdoor cable is designed for internal or outdoor use primarily in structured wiring systems in backbones and/or inter-building.

- Spiral steel tube, easy to bend
- Water Blocking Yarn Reinforce
- LS0H Outer Jacket
- Up to 6 fiber cores

**AFO DO XXX XXX X X-X**

**Family**

**Cable Type**
DO = Indoor/Outdoor Spiral Drop Cable

**No. Fibers**
XXX* - X Fiber
001 - 1 Fiber
002 - 2 Fibers
004 - 4 Fibers
006 - 6 Fibers

**Fiber Type**
NBI = OS1a/2 (SM) non-BI (LS0H)
OM1 = OM1
OM2 = OM2
OM3 = OM3
OM4 = OM4
7A1 = Singlemode (G657.A1)
7A2 = Singlemode (G657.A2)
OS2 = Singlemode (LS0H G652 D)

**Jacket Material**
1 = PVC
2 = LS0H
3 = Plenum

**Jacket Color**
0 = Default
OM1 = MM Orange
OM2 = MM Gray
OM3 = MM Aqua
OM4 = MM Erika Violet (LS0H)
OM4 = MM Aqua (PVC)
SM = Yellow

**Special Code**
Blank = Default (none)
I = Only applicable for India supply
EU cables only:
A = Aca
B = Bca
C = Cca
D = Dca
E = Eca
F = Fca

| Order No. | SAP No. | Description |
|---|---|---|
| AFODOXXXXXXXX-X | Consult Molex | Indoor/Outdoor Spiral Steel Tube LS0H Fiber Cable |

# Fiber Optic Solution Lightband Pre-Terminated Fiber Optic Leads

**Pre-terminated Fiber Optic Leads**

Molex Pre-Terminated Fiber Optic Leads offer premium factory-controlled optical performance on a variety of connectors that enable fast, economical installation. Pre-Terminated Leads are ideal for mission critical backbone applications such as Data Center tie cables and low optical loss backbone riser cables.

- Available in 50/125µm and 62.5/125µm Multimode and 9/125µm Singlemode fiber versions
- Fibers compliant to ISO/IEC 11801 fiber specifications
- Wide variety of connector and cable types offered
- Cable length built to customer requirements
- Premium factory optical performance guaranteed
- RoHS compliant
- All assemblies are 100% factory tested - factory test results shipped with every assembly
- Part number generator, F.O. Configurator – Hybrid cable assemblies is available on Molex Customer Support Portal: csp.molex.com.

Part No. Matrix - Substitute the correct code number or letter to determine the assembly construction

**9 1 X X X X X X X X X X X X X X X**

**Family**
L=TB OFNP
N=TB OFNR
P=LT OFNP
Q=LT OFNR
R=Micro Cable OFNP
T=Micro Cable OFNR
V=TB LS0H
W=LT LS0H
Y=Micro Cable LS0H
A=Bca TB LS0H
B=Bca LT LS0H
C=Bca Micro Cable LS0H
D=Cca TB LS0H
E=Cca LT LS0H
F=Cca Micro Cable LS0H
G=Dca TB LS0H
H=Dca LT LS0H
K=Dca Micro Cable LS0H
2=Eca TB LS0H
3=Eca LT LS0H
4=Eca Micro Cable LS0H
5=Fca TB LS0H
6=Fca LT LS0H
7=Fca Micro Cable LS0H

**Fiber Count**
4-144

**Connectors at Two Ends**
0=No Connector
1=ST
2=FDDI
3=SC Simplex
4=ESCON
5=ST II
6=ST 90 Boot
7=SMA
8=SC 90 Boot
9=SC Duplex
A=MTRJ(M)
B=MTRJ(F)
C=SC/APC
E=E2000/APC
F=FC
G=FC/APC
J=LC 90 Boot
K=E2000
L=LC Simplex
M=LC Duplex
N=LC/APC
U=MU

**Fiber Type**
U=OM1
V=OM2
W=OM3
X=OM4
N=OM5
Z=OS2

**Tail Length at Two Ends**
1=1M
2=2M
3=3M

**Tail Configuration at Two Ends**
0=900u even
1=900u staggered 30mm
2=900u staggered 50mm
3=900u staggered 100mm
4=900u staggered 150mm
5=2mm even
7=2mm staggered 30mm
8=2mm staggered 50mm
9=2mm staggered 100mm
A=2mm staggered 150mm

**Jacket Color**
0=Default Color:
OM1=Orange
OM2=Gray
OM3=Aqua
OM4=Erika Violet(LS0H)
OM4=Aqua(PVC)
OM5=Lime Green
SM=Yellow
Q=Aqua
L=Blue
R=Red
D=Black
E=Dark Gray
J=Green
K=Yellow
N=Orange
P=Pink
S=Salmon Pink
U=Purple
V=Erika Violet
W=White

**Gland and Pulling Eye**
U=No gland, pulling eye at End 1
V=No gland, pulling eye at End 2
Z=No gland and pulling eye
Y=Gland at end 1, pulling eye at End 1
T=Gland at end 1, pulling eye at End 2
S=Gland at end 1, no pulling eye
X=Gland at end 2, pulling eye at End 1
G=Gland at end 2, pulling eye at End 2
F=Gland at end 2, no pulling eye
W=Gland at both ends, pulling eye at End 1
B=Gland at both ends, pulling eye at End 2
C=Gland at both ends, no pulling eye
* Gland=M20 Default. Gland O.D dependent upon cable O.D

**Length**
XXX=Length in meters

| Order No. | SAP No. | Description |
|---|---|---|
| 91XXXXXXXXXXXXXXX | Consult Molex | Pre-terminated Fiber Optic Leads |

# Fiber Optic Solution Lightband Patch Cords

### Fiber Optic Patch Cords

Molex Optical Fiber Patch Cords are LS0H jacketed as standard. PVC and Plenum rated cables are available at request. Molex patch cords offer factory-controlled performance in a variety of connector, ISO performance standards and lengths. Molex has taken specific attention to the endface geometry and fiber core alignment to ensure reliability and optimized performance

- 100% Factory Tested - Guaranteed performance
- LS0H Jacket Standard - Reduces toxic / corrosive gasses emitted during combustion. Plenum and PVC also available
- Multiple Formats available - Available in Simplex, Duplex, Singlemode, Multimode and a variety of connector options
- Part number generator, F.O. Configurator – Patch Cords and Pigtails is available on Molex Customer Support Portal: csp.molex.com.

Part No. Matrix - Substitute the correct code number or letter to determine the assembly construction

**9 1 . X X . X X X . X X X X X - X**

**Family**

**Connectors**
0 = No Connector
1 = ST
2 = FDDI
3 = SC Simplex
4 = ESCON
5 = ST-II
6 = ST (w/90° boot)
7 = SMA
8 = SC (w/90° boot)
9 = SC Duplex
A = MT-RJ (Male)
B = MT-RJ (Female)
C = SC/APC
F = FC
G = FC/APC
J = LC (w/90° boot)
L = LC Duplex
P = Push-Pull Duplex LC
U = MU
M = Uniboot LC
E = 2000/APC
N = LC/APC
K = E-2000

**Fiber Type**
8 = G.657A2 (LS0H Jacket)
= OS1a/OS2 (PVC / Plenum Jacket)
6 = OM1 (62.5/125µm)
5 = OM2 (50/125µm)
2 = OS2 (Only for pigtail)
3 = OM3 bending insensitivity
4 = OM4 bending insensitivity
9 = OM5 bending insensitivity

**Cable Type**
1 = 3mm Simplex
2 = 3mm Duplex
3 = 900um Tight Buffered
4 = 1.6mm Simplex
5 = 1.6mm Duplex
6 = 2mm Simplex
7 = 2mm Duplex
8 = Gemini (MT-RJ)
9 = 900µm Semi Tight Buffered
B = Armored 3.3mm Duplex
C = Armored 3.3mm Simplex
D = 2.4mm to 2.8mm (Uniboot cable)

**Jacket Type**
1 = PVC
2 = LS0H
3 = Plenum

**Length (meters)**
XXX=Length in meters
00A = 0.5 meter
00B = 1.5 meter
00C = 2.5 meter
00D = 3.5 meter
00E = 4.5 meter

**Insertion Loss Code**
0 = Standard Loss, Cross Over
L = Low Loss, Cross Over
1 = Standard Loss, Parallel
2 = Low Loss, Parallel

**Jacket Color**
0 = Default Color:
OM1 MM = Orange
OM2 MM = Gray
OM3 MM = Aqua
OM4 MM = Erika Violet (Non-Plenum)
Aqua (Plenum)
OM5 MM= Lime Green
SM = Yellow
A = Aqua
B = Blue
C = Red
D = Black
E = DK Gray
J = Green
K = Yellow
N = Orange
P = Pink
W = White
V = Erika Violet
S = Salmon Pink

**Special Code***
(Blank)=default (none)
S = 6 Colors Packed Pigtail
T = 12 Colors Packed Pigtail

For Example: To order a 1 meter DLC - DSC OM3 Patch Cord the part number would be 91.9L.372.00100
Note *: Special code is not necessary when set to blank

| Order No. | SAP No. | Description |
|---|---|---|
| 91.XX.XXX.XXXXX-X | Consult Molex | Fiber Optic Patch Cords |

# Fiber Optic Solution Lightband Patch Cords and Pigtails

### Fiber Pigtails

Molex offers a comprehensive range of fiber optic pigtails for Singlemode and Multimode applications. Fiber Pigtails are available as standard in 1m lengths.

- Ruggedized cable construction
- Insertion loss better than 0.35 dB
- All meet or exceed the standards
- Other lengths available upon request

| Order No. | SAP No. | Description |
|---|---|---|
| **OM2 (50/125)** | | |
| 91.10.532.00100 | 180610081 | ST Pigtail, LS0H - 1m |
| 91.30.532.00100 | 180610091 | SC Pigtail, LS0H - 1m |
| 91.L0.532.00100 | 180610092 | LC Pigtail, LS0H - 1m |
| **OM3 (50/125)** | | |
| 91.10.332.00100 | 180610082 | ST Pigtail, LS0H - 1m |
| 91.30.332.00100 | 180610093 | SC Pigtail, LS0H - 1m |
| 91.L0.332.00100 | 180610094 | LC Pigtail, LS0H - 1m |
| **OM4 (50/125)** | | |
| 91.10.432.00100 | Consult Molex | ST Pigtail, LS0H - 1m |
| 91.30.432.00100 | Consult Molex | SC Pigtail, LS0H - 1m |
| 91.L0.432.00100 | 180610169 | LC Pigtail, LS0H - 1m |
| **OM5 (50/125)** | | |
| 91.L0.932.00100 | Consult Molex | LC Pigtail, LS0H - 1m |
| **OS2 (9/125) G.657a2** | | |
| 91.10.832.00100 | 180610080 | ST Pigtail, LS0H - 1m |
| 91.30.832.00100 | 180610095 | SC Pigtail, LS0H - 1m |
| 91.L0.832.00100 | 180610096 | LC Pigtail, LS0H - 1m |

### Uniboot LC Low Loss Patch Cords

The Uniboot LC Low Loss Patch Cords are slim-line patch cords, ideal for high density/high speed applications. Using a uniboot patch cord provides a 50% space saving when compared to traditional optical patch cords. Ideal for Data center, SAN, Enterprise/Campus and Telco central office applications.

- Full Duplex in a single 3mm cable
- Available in Low Loss OM3, OM4, OM5 and G.657a2 Fiber Types
- Reduces space required in cable ways and racks improving access and HVAC performance
- LS0H sheath
- Cable length can be customized. Insert required length in place of the YYY in the part number.

| Order No. | SAP No. | Description |
|---|---|---|
| 91.MM.372.YYYL0 | Consult Molex | Optical Fiber Patch Cords, LC Uniboot-LC Uniboot, Multimode OM3, Low Loss, LS0H - Aqua |
| 91.MM.472.YYYL0 | Consult Molex | Optical Fiber Patch Cords, LC Uniboot-LC Uniboot, Multimode OM4, Low Loss, LS0H - Erika Violet |
| 91.MM.972.YYYL0 | Consult Molex | Optical Fiber Patch Cord LC Uniboot - LC Uniboot OM5 Low Loss LS0H- Lime Green |
| 91.MM.872.YYYL0 | Consult Molex | Optical Fiber Patch Cords, LC Uniboot-LC Uniboot, Singlemode OS2 G.657a2, Low Loss, LS0H - Yellow |

# Fiber Optic Solution Lightband Rack Mount Solutions

RFR-00311-BK
Shown assembled with:
AFR-00616-AQ LC Quad Plate
AFR-00470 Splice Tray
KFR-00053 Cable Management Hub
AFR-00475 Kevlar Retention Post

RFR-00311-BK
Shown assembled with
RFR-00312-BK Locking front assembly

### 1U Multi-Function Fiber Enclosure Gen II

The 1U Multi-Function Fiber Enclosure is a configurable rack mount unit for storing and terminating incoming fiber cable. The fiber enclosure has been designed to accommodate various termination types and adapter configurations. The floor of the enclosure is constructed to allow maximum flexibility in routing fibers. Constructed with a ball bearing slide mechanism allows ease of access to fibers. The interchangeable front plate facilitates upgrades as required. The enclosure has an optional front locking kit and an optional front cable management to securely route patch cords.

- Accommodates up to 4 ModLink Quick Connect Cassettes which allows 12-24 fiber connections per cassette with various interfacing adapters
- Accommodates up to 4 Modular Splice Cassettes which allows 6-24 fiber connections per cassette. The cassettes allow for splice termination while protecting individual fibers
- Compatible with preloaded FMP 3 style adapter plates in various fiber counts and adapter configurations
- Self-adhesive fiber management hub is stackable and can be segmented providing individualization of fiber routing
- Optional 24 fiber splice tray available to maximize port capacity while providing fiber management for excess fiber
- Optional front cable management allows secure routing of patch cords
- Optional locking kits provide security with over-locking curved cam lock locking into the top of the enclosure. The hinged top allows easy moves, adds and changes, and can be retrofitted
- Compatible with Molex's 6 Pak Adapter plate program that allows 6-24 fiber connections per plate, 72 fiber MTP connections and 3 DataGate copper/synergy connections per plate
- Colors: AQ = Aqua, GR = Green, BL = Blue, EV = Erika Violet, LG = Lime Green, 0L = Beige

| Order No. | SAP No. | Description |
|---|---|---|
| RFR-00311-BK | 180370287 | 1U Multi-Function Fiber Enclosure Gen II |
| **Optional Enhancements** | | |
| RFR-00312-BK | 180370288 | Locking Front Assembly Kit for 1U Multi-Function Fiber Enclosure Gen II |
| CMA-00111 | 181050048 | Front Cable Manager for 1U Multi-Function Fiber Enclosure Gen II |
| AFR-00468-04 | 180600394 | 6 Pak Adapter Front Plate |
| AFR-00469-04 | 180600395 | Full Length Blanking Plate |
| AFR-00689-04 | 180600526 | SC Simplex/LC Duplex, 1 Port Adapter Plate, Unloaded |
| AFR-00690-04 | 180600527 | MTP/MPO, 1 Port Adapter Plate, Unloaded |
| AFR-00802 | 180810066 | Jack Plate 19” 24P Unloaded for 1U Multi-Function Fiber Enclosure Gen II |
| **RFR-00311-BK Specific Unloaded Adapter Plates** | | |
| AFR-00518-04 | 180600396 | SC Duplex, 12 Fiber Adapter Plate, Unloaded, Black |
| AFR-00519-04 | 180600397 | LC Quad, 24 Fiber Adapter Plate, Unloaded, Black |
| AFR-00537-04 | 180600398 | SC Simplex, 6 Fiber Adapter Plate, Unloaded, Black |
| AFR-00538-04 | 180600399 | LC Duplex, 12 Fiber Adapter Plate, Unloaded, Black |
| AFR-00539-04 | 180600400 | SC Simplex, 12 Fiber Adapter Plate, Unloaded, Black |
| AFR-00540-04 | 180600401 | LC Duplex, 24 Fiber Adapter Plate, Unloaded, Black |
| AFR-00476-04 | 180600375 | SC Simplex, 24 Fiber Adapter Plate, Unloaded, Black |
| AFR-00477-04 | 180600376 | LC Duplex, 48 Fiber Adapter Plate, Unloaded, Black |
| AFR-00478-04 | 180600377 | SC Duplex, 48 Fiber Adapter Plate, Unloaded, Black |
| AFR-00479-04 | 180600378 | LC Quad, 96 Fiber Adapter Plate, Unloaded, Black |
| AFR-00480-04 | 180600379 | SC Duplex, 24 Fiber Adapter Plate, Unloaded, Black |
| AFR-00481-04 | 180600380 | LC Quad, 48 Fiber Adapter Plate, Unloaded, Black |
| AFR-00483-04 | 180600381 | SC Duplex, 36 Fiber Adapter Plate, Unloaded, Black |
| AFR-00484-04 | 180600382 | FC/ST, 24 Fiber Adapter Plate, Unloaded, Black |
| AFR-00598-BL | 180600392 | SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00599-GR | 180600393 | SC/APC Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00600-0L | 180600402 | SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00601-AQ | 180600403 | SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00602-EV | 180600404 | SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00608-BL | 180600410 | SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00609-GR | 180600411 | SC/APC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00610-0L | 180600412 | SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00611-AQ | 180600413 | SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00612-EV | 180600414 | SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00618-BL | 180600420 | SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |

# Fiber Optic Solution Lightband Rack Mount Solutions

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00619-GR | 180600421 | SC/APC Duplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| **RFR-00311-BK Specific Loaded Adapter Plates: SC, Unshuttered** | | |
| AFR-00620-0L | 180600422 | SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00621-AQ | 180600423 | SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00622-EV | 180600424 | SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00467-04 | 180600432 | ST Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode/Multimode, Black |
| AFR-00628-BL | 180600433 | SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00629-GR | 180600434 | SC/APC Duplex, 36 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00630-0L | 180600435 | SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00631-AQ | 180600436 | SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00632-EV | 180600437 | SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00633-BL | 180600438 | SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00634-GR | 180600439 | SC/APC Simplex, 6 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00635-0L | 180600440 | SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00636-AQ | 180600441 | SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00637-EV | 180600442 | SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00643-BL | 180600448 | SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00644-GR | 180600449 | SC/APC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00645-0L | 180600450 | SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00646-AQ | 180600451 | SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00647-EV | 180600452 | SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00690-LG | 180600460 | SC Duplex 48 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| AFR-00692-LG | 180600462 | SC Duplex 24 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| AFR-00694-LG | 180600464 | SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| AFR-00695-LG | 180600465 | SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| AFR-00697-LG | 180600467 | SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| **RFR-00311-BK Specific Loaded Adapter Plates: SC, Shuttered** | | |
| AFR-00699-LG | 180600469 | SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM5, Lime Green |
| AFR-00701-LG | 180600471 | SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM5, Lime Green |
| AFR-00703-LG | 180600473 | SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM5, Lime Green |
| AFR-00728-BL | 180600496 | SC Simplex, 6 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Blue |
| AFR-00729-GR | 180600497 | SC/APC Simplex, 6 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Green |
| AFR-00730-0L | 180600498 | SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2, Beige |
| AFR-00731-AQ | 180600499 | SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4, Aqua |
| AFR-00732-EV | 180600500 | SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM4, Erika Violet |
| AFR-00738-BL | 180600506 | SC Simplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Blue |
| AFR-00739-GR | 180600507 | SC/APC Simplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Green |
| AFR-00740-0L | 180600508 | SC Simplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2, Beige |
| AFR-00741-AQ | 180600509 | SC Simplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4, Aqua |
| AFR-00742-EV | 180600510 | SC Simplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM4, Erika Violet |
| AFR-00748-BL | 180600516 | SC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Blue |
| AFR-00749-GR | 180600517 | SC/APC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Green |
| AFR-00750-0L | 180600518 | SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2, Beige |
| AFR-00751-AQ | 180600519 | SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4, Aqua |

# Fiber Optic Solution Lightband Rack Mount Solutions

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00752-EV | 180600520 | SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM4, Erika Violet |
| **RFR-00311-BK Specific Loaded Adapter Plates: LC, Unshuttered** | | |
| AFR-00603-BL | 180600405 | LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00604-GR | 180600406 | LC/APC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00605-0L | 180600407 | LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00606-AQ | 180600408 | LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00607-EV | 180600409 | LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00613-BL | 180600415 | LC Quad, 96 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00614-GR | 180600416 | LC/APC Quad, 96 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00615-0L | 180600417 | LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00616-AQ | 180600418 | LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00617-EV | 180600419 | LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00623-BL | 180600425 | LC Quad, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00624-GR | 180600426 | LC/APC Quad, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00625-0L | 180600427 | LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00627-EV | 180600429 | LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00638-BL | 180600443 | LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00639-GR | 180600444 | LC/APC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00640-0L | 180600445 | LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00641-AQ | 180600446 | LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00642-EV | 180600447 | LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00648-BL | 180600453 | LC Quad, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Blue |
| AFR-00649-GR | 180600454 | LC/APC Quad, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2, Green |
| AFR-00650-0L | 180600455 | LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2, Beige |
| AFR-00651-AQ | 180600456 | LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4, Aqua |
| AFR-00652-EV | 180600457 | LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM4, Erika Violet |
| AFR-00689-LG | 180600459 | LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| AFR-00691-LG | 180600461 | LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| AFR-00693-LG | 180600463 | LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| AFR-00696-LG | 180600466 | LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| AFR-00698-LG | 180600468 | LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM5, Lime Green |
| **RFR-00311-BK Specific Loaded Adapter Plates: LC, Shuttered** | | |
| AFR-00669-LG | 180600474 | LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM5, Lime Green |
| AFR-00700-LG | 180600470 | LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM5, Lime Green |
| AFR-00702-LG | 180600472 | LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM5, Lime Green |
| AFR-00733-BL | 180600501 | LC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Blue |
| AFR-00734-GR | 180600502 | LC/APC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Green |
| AFR-00735-0L | 180600503 | LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2, Beige |
| AFR-00736-AQ | 180600504 | LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4, Aqua |
| AFR-00737-EV | 180600505 | LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM4, Erika Violet |
| AFR-00743-BL | 180600511 | LC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Blue |
| AFR-00744-GR | 180600512 | LC/APC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Green |
| AFR-00745-0L | 180600513 | LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2, Beige |
| AFR-00746-AQ | 180600514 | LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4, Aqua |

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| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00747-EV | 180600515 | LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM4, Erika Violet |
| AFR-00753-BL | 180600521 | LC Quad, 48 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Blue |
| AFR-00754-GR | 180600522 | LC/APC Quad, 48 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2, Green |
| AFR-00755-0L | 180600523 | LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2, Beige |
| AFR-00756-AQ | 180600524 | LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4, Aqua |
| AFR-00757-EV | 180600525 | LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM4, Erika Violet |
| AFR-00809-BL | 180600621 | LC Duplex, 48 Fiber Adapter Plate,Internal Shuttered, Singlemode, OS1/OS2, Blue |
| AFR-00810-AQ | 180600622 | LC Duplex, 48 Fiber Adapter Plate,Internal Shuttered, Multimode, OM3/OM4, Aqua |
| AFR-00811-EV | 180600623 | LC Duplex, 48 Fiber Adapter Plate,Internal Shuttered, Multimode, OM4, Erika Violet |
| AFR-00812-LG | 180600624 | LC Duplex, 48 Fiber Adapter Plate,Internal Shuttered, Multimode, OM5, Lime Green |
| **RFR-00311-BK Specific FTTX Adapter Plates** | | |
| AFR-00766 | 180600537 | LC, 4x64 Fiber Adapter Plate, Unloaded |
| AFR-00769 | 180600540 | SC, 2x32 Fiber Adapter Plate, Unloaded |
| AFR-00762-BL | 180600533 | LC, 4x64 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00762-GR | 180600557 | LC, 4x64 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00763-BL | 180600534 | LC, 2x64 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00763-GR | 180600558 | LC, 2x64 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00764-BL | 180600535 | SC, 2x32 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00764-GR | 180600559 | SC, 2x32 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00765-BL | 180600536 | SC, 1x32 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00765-GR | 180600560 | SC, 1x32 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00786-BL | 180600561 | LC, 4x32 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00786-GR | 180600567 | LC, 4x32 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00787-BL | 180600562 | LC, 4x16 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00787-GR | 180600568 | LC, 4x16 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00790-BL | 180600565 | LC, 1x32 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00790-GR | 180600571 | LC, 1x32 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00791-BL | 180600566 | LC, 1x16 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00791-GR | 180600572 | LC, 1x16 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00798-BL | 180600573 | SC, 2x16 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00798-GR | 180600577 | SC, 2x16 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00799-BL | 180600574 | SC, 2x8 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00799-GR | 180600578 | SC, 2x8 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00800-BL | 180600575 | SC, 1x16 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00800-GR | 180600579 | SC, 1x16 Fiber Adapter Plate, Loaded, Shuttered , Green |
| AFR-00801-BL | 180600576 | SC, 1x8 Fiber Adapter Plate, Loaded, Shuttered , Blue |
| AFR-00801-GR | 180600580 | SC, 1x8 Fiber Adapter Plate, Loaded, Shuttered , Green |
| **6-Pak Adapter Plates** | | |
| AFR-00357 | 180600135 | ST, 6 Fiber Adapter Plate, Singlemode |
| AFR-00358 | 180600136 | SC Duplex, 6 Fiber Adapter Plate, Singlemode , Blue |
| AFR-00359 | 180600137 | SC Duplex, 6 Fiber Adapter Plate, Shuttered, Singlemode , Blue |
| AFR-00363 | 180600141 | 6 Fiber Blank Plastic, pack of 4 |
| AFR-00365 | 180600143 | LC Duplex, 12 Fiber Adapter Plate, Singlemode, Blue |
| AFR-00368 | 180600146 | SC Duplex, 12 Fiber Adapter Plate, Singlemode, Blue |
| AFR-00369 | 180600147 | LC Quad, 12 Fiber Adapter Plate, Shuttered, Singlemode, Blue |
| AFR-00371 | 180600149 | FC, 6 Pak Adapter Plate |
| AFR-00372 | 180600150 | SC Duplex, 6 Fiber Adapter Plate, Multimode, OM3, Aqua |
| AFR-00405 | 180600162 | SC/APC, 6 Fiber Angled Adapter Plate, Singlemode |
| AFR-00442 | 180600177 | SC/APC Duplex, 12 Fiber Adapter Plate, Singlemode, Green |
| AFR-00373 | 180600151 | SC Duplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM3, Aqua |
| AFR-00374 | 180600152 | SC Duplex, 12 Fiber Adapter Plate, Multimode, OM3, Aqua |
| AFR-00375 | 180600153 | LC Quad, 12 Fiber Adapter Plate, Multimode, OM3, Aqua |
| AFR-00376 | 180600154 | LC Duplex, 12 Fiber Adapter Plate, Multimode, OM3, Aqua |
| AFR-00378 | 180600156 | LC Quad, 24 Fiber LC Adapter Plate, Multimode, OM3, Aqua |
| AFR-00379 | 180600157 | LC Quad, 24 Fiber LC Adapter Plate, Singlemode, Blue |
| AFR-00381 | 180600158 | LC Quad, 12 Fiber Angled Adapter Plate, Shuttered, Multimode, OM3, Aqua |
| AFR-00385 | 180600160 | LC Quad, 12 Fiber Angled Adapter Plate, Multimode, OM3, Aqua |
| AFR-00386 | 180600161 | 6 Fiber Angled Plate SC/APC Connectors |
| AFR-00673-LG | 180600478 | SC Duplex, 6 Fiber Adapter Plate, Multimode, OM5 ,Lime Green |
| AFR-00675-LG | 180600482 | SC Duplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM5 ,Lime Green |
| AFR-00678-LG | 180600485 | SC Duplex, 12 Fiber Adapter Plate, Multmode, OM5 ,Lime Green |

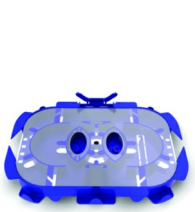
# Fiber Optic Solution Lightband Rack Mount Solutions

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00679-LG | 180600486 | LC Duplex, 12 Fiber Adapter Plate, Multimode, OM5 ,Lime Green |
| AFR-00681-LG | 180600488 | LC Quad, 12 Fiber Adapter Plate, Shuttered, Multimode, OM5, Lime Green |
| AFR-00684-LG | 180600491 | LC Quad, 24 Fiber LC Adapter Plate, Multimode, OM5 ,Lime Green |
| **Modular Splice Cassettes** | | |
| AFR-00340 | 183190000 | SC Duplex, 6 Fiber Modular Splice Cassette, Singlemode, OS1 |
| AFR-00341 | 183190001 | SC Duplex, 6 Fiber Modular Splice Cassette, Multimode, OM1 |
| AFR-00342 | 183190002 | SC Duplex, 6 Fiber Modular Splice Cassette, Multimode, OM2 |
| AFR-00343 | 183190003 | SC Duplex, 6 Fiber Modular Splice Cassette, Multimode, OM3 |
| AFR-00344 | 183190004 | SC Duplex, 12 Fiber Modular Splice Cassette, Singlemode, OS1 |
| AFR-00345 | 183190005 | SC Duplex, 12 Fiber Modular Splice Cassette, Multimode, OM1 |
| AFR-00346 | 183190006 | SC Duplex, 12 Fiber Modular Splice Cassette, Multimode, OM2 |
| AFR-00347 | 183190007 | SC Duplex, 12 Fiber Modular Splice Cassette, Multimode, OM3 |
| AFR-00348 | 183190008 | LC Duplex, 12 Fiber Modular Splice Cassette, Singlemode, OS1 |
| AFR-00349 | 183190009 | LC Duplex, 12 Fiber Modular Splice Cassette, Multimode, OM1 |
| AFR-00350 | 183190010 | LC Duplex, 12 Fiber Modular Splice Cassette, Multimode, OM2 |
| AFR-00351 | 183190011 | LC Duplex, 12 Fiber Modular Splice Cassette, Multimode, OM3 |
| AFR-00352 | 183190012 | LC Quad, 24 Fiber Modular Splice Cassette, Singlemode, OS1 |
| AFR-00353 | 183190013 | LC Quad, 24 Fiber Modular Splice Cassette, Multimode, OM1 |
| AFR-00354 | 183190014 | LC Quad, 24 Fiber Modular Splice Cassette, Multimode, OM2 |
| AFR-00355 | 183190015 | LC Quad, 24 Fiber Modular Splice Cassette, Multimode, OM3 |
| AFR-00380 | 183190016 | Modular Splice Cassette Housing and Lid |
| AFR-00382 | 183190017 | ST, 6 Fiber Modular Splice Cassette, Singlemode, OS1 |
| AFR-00383 | 183190018 | ST, 6 Fiber Modular Splice Cassette, Multimode, OM1 |
| AFR-00384 | 183190019 | ST, 6 Fiber Modular Splice Cassette, Multimode, OM2 |
| AFR-00406 | 183190020 | SC/APC Duplex, 12 Fiber Modular Splice Cassette, Singlemode, OS1 |
| AFR-00435 | 183190024 | 12P Duplex Modular Splice Cassette without Pigtail/Patch Cord |
| AFR-00436 | 183190025 | DLC, 12 Fiber Modlink Splice Cassette, Singlemode, OS1 with Pigtails |
| AFR-00437 | 183190026 | DLC, 12 Fiber Modlink Splice Cassette, Multimode, OM1 with Pigtails |
| AFR-00438 | 183190027 | DLC, 12 Fiber Modlink Splice Cassette, Multimode, OM3 with Pigtails |
| AFR-00712-LG | 183190091 | DSC, 6 Fiber Modular Splice Cassette, Multimode, OM5 with Pigtails ,Lime Green |
| AFR-00713-LG | 183190092 | DSC, 6 Fiber Modular Splice Cassette, Multimode, OM5 with Pigtails, Low Loss ,Lime Green |
| AFR-00714-LG | 183190093 | DSC, 12 Fiber Modular Splice Cassette, Multimode, OM5 with Pigtails ,Lime Green |
| AFR-00715-LG | 183190094 | DSC, 12 Fiber Modular Splice Cassette, Multimode, OM5 with Pigtails, Low Loss ,Lime Green |
| AFR-00718-LG | 183190097 | DLC, 12 Fiber Modular Splice Cassette, Multimode, OM5 with Pigtails ,Lime Green |
| AFR-00719-LG | 183190098 | DLC, 12 Fiber Modular Splice Cassette, Multimode, OM5 with Pigtails, Low Loss ,Lime Green |
| AFR-00722-LG | 183190101 | QLC, 24 Fiber Modular Splice Cassette, Multimode, OM5 with Pigtails ,Lime Green |
| AFR-00723-LG | 183190102 | QLC, 24 Fiber Modular Splice Cassette, Multimode, OM5 with Pigtails, Low Loss ,Lime Green |
| AFR-00726-LG | 183190105 | DLC, 12 Fiber Modular Splice Cassette, Multimode, OM5 with 1m Pigtails ,Lime Green |
| AFR-00727L-LG | 183190106 | DLC, 12 Fiber Modular Splice Cassette, Multimode, OM5 with 1m Pigtails, Low Loss ,Lime Green |
| AFR-00760 | 183190107 | ST, 6 Fiber Modular Splice Cassette, Multimode, OM5 |
| AFR-00761 | 183190108 | ST, 6 Fiber Modular Splice Cassette, Multimode, OM5, Low Loss |
| **ModLink Cassettes** | | |
| MLCQLC120M3L | 180370266 | QLC, 12 Fiber Mini ModLink Cassettes, Multimode, OM3, Low Loss |
| MLCQLC120M2 | 180370267 | QLC, 12 Fiber Mini ModLink Cassettes, Multimode, OM2 |
| MLCQLC120M1 | 180370268 | QLC, 12 Fiber Mini ModLink Cassettes, Multimode, OM1 |
| MLCQLC120S1L | 180370269 | QLC, 12 Fiber Mini ModLink Cassettes, Singlemode, OS1, Low Loss |
| MLCSTC12OM2 | 180370270 | ST, 12 Fiber Mini ModLink Cassettes, Multimode, OM2 |
| MLCSTC12OM1 | 180370271 | ST, 12 Fiber Mini ModLink Cassettes, Multimode, OM1 |

# Fiber Optic Solution Lightband Rack Mount Solutions

| Order No. | SAP No. | Description |
|---|---|---|
| MLCDSC12OS1L | 181810135 | DSC, 12 Fiber Mini ModLink Cassettes, Singlemode, OS1, Low Loss |
| MLCDLC12OS1L | 181810137 | DLC, 12 Fiber Mini ModLink Cassettes, Singlemode, OS1, Low Loss |
| MLCDSC12OM1 | 181810140 | DSC, 12 Fiber Mini ModLink Cassettes, Multimode, OM1 |
| MLCDLC12OM1 | 181810142 | DLC, 12 Fiber Mini ModLink Cassettes, Multimode, OM1 |
| MLCDSC12OM2 | 181810145 | DSC, 12 Fiber Mini ModLink Cassettes, Multimode, OM2 |
| MLCDLC12OM2 | 181810147 | DLC, 12 Fiber Mini ModLink Cassettes, Multimode, OM2 |
| MLCDSC12OM3L | 181810150 | DSC, 12 Fiber Mini ModLink Cassettes, Multimode, OM3 Low Loss |
| MLCDLC12OM3L | 181810152 | DLC, 12 Fiber Mini ModLink Cassettes, Multimode, OM3 Low Loss |
| MLCQLC24OS1L | 181810161 | QLC, 24 Fiber Mini ModLink Cassettes, Singlemode, OS1, Low Loss |
| MLCQLC24OM1 | 181810162 | QLC, 24 Fiber Mini ModLink Cassettes, Multimode, OM1 |
| MLCQLC24OM3L | 181810163 | QLC, 24 Fiber Mini ModLink Cassettes, Multimode, OM3, Low Loss |
| MLCQLC24OM2 | 181810164 | QLC, 24 Fiber Mini ModLink Cassettes, Multimode, OM2 |
| MLCDSC06OM5 | 181810254 | DSC, 6 Fiber Mini ModLink Cassette, Multimode, OM5 ,Lime Green |
| MLCDSC06OM5L | 181810282 | DSC, 6 Fiber Mini ModLink Cassette, Multimode, OM5, Low Loss ,Lime Green |
| MLCDSC12OM5 | 181810237 | DSC, 12 Fiber ModLink Cassette, Multimode, OM5 ,Lime Green |
| MLCDSC12OM5L | 181810238 | DSC, 12 Fiber ModLink Cassette, Multimode, OM5, Low Loss ,Lime Green |
| MLCDLC12OM5 | 181810244 | DLC, 12 Fiber ModLink Cassette, Multimode, OM5 ,Lime Green |
| MLCDLC12OM5L | 181810245 | DLC, 12 Fiber ModLink Cassette, Multimode, OM5, Low Loss ,Lime Green |
| MLCQLC12OM5 | 181810251 | QLC, 12 Fiber ModLink Cassette, Multimode, OM5 ,Lime Green |
| MLCQLC12OM5L | 181810252 | QLC, 12 Fiber ModLink Cassette, Multimode, OM5, Low Loss ,Lime Green |
| MLCQLC24OM5 | 181810249 | QLC, 24 Fiber ModLink Cassette, Multimode, OM5 ,Lime Green |
| MLCQLC24OM5L | 181810250 | QLC, 24 Fiber ModLink Cassette, Multimode, OM5, Low Loss ,Lime Green |
| AFR-00422-04 | 180600170 | 40G/100G Adapter Plate ,Black |
| AFR-00422-0L | 180600171 | 40G/100G Adapter Plate ,Beige |
| AFR-00422-0J | 180600172 | 40G/100G Adapter Plate ,Green |
| AFR-00422-AQ | 180600173 | 40G/100G Adapter Plate ,Aqua |
| AFR-00422-BL | 180600174 | 40G/100G Adapter Plate ,Blue |
| AFR-00422-08 | 180600175 | 40G/100G Adapter Plate ,Gray |
| **DataGate and Synergy Compatible 6 Fiber Plates** | | |
| AFR-00440 | 183190029 | 6 Fiber Plate, 3XDG Module, Unequipped |
| AFR-00441 | 183190030 | 6 Fiber Shielded Plate, 3XDG Module, Unequipped |
| **Splitter Box** | | |
| FSA-00055 | 183670001 | SC, 1x8 Splitter Box, Singlemode, Low Loss |
| FSA-00056 | 183670002 | LC, 1x8 Splitter Box 2Pcs, Singlemode, Low Loss |
| FSA-00057 | 183670003 | SC/APC, 1x8 Splitter Box, Singlemode, Low Loss ,Green |
| FSA-00058 | 183670004 | LC/APC, 1x8 Splitter Box 2Pcs, Singlemode, Low Loss, Green |

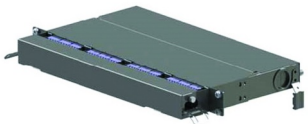
Colors: AQ = Aqua, GR = Green, BL = Blue, EV = Erika Violet, LG = Lime Green, 0L = Beige




**1U Multi-Function Fiber Enclosure Accessories**

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00470 | 180600217 | Universal Splice Tray, 24 Fiber with built in Cable Management, 1U Global Enclosure (Self Adhesive, 2 x 12F trays per pack) |
| KFR-00053 | 182680049 | Self Adhesive Cable Management Hub (2 pcs/pack), Black |
| AFR-00475 | 180600222 | Kevlar Retention Post |
| 91.A0860 | Consult Molex | Gland 4-8mm M20 |
| 91.A0870 | Consult Molex | Gland 6-12mm M20 |
| 91.A0880 | Consult Molex | Gland 9-14mm M20 |
| CSP-00030 | Consult Molex | Fiber Adapter Screw (24 pack) |

# Fiber Optic Solution Lightband Rack Mount Solutions



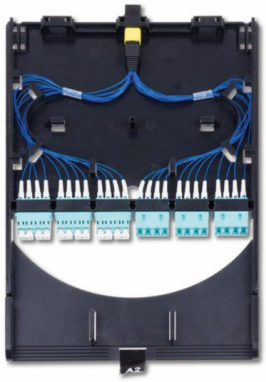
**Xtreme Density System**

The Molex High Density Fiber Enclosures are designed for high density applications such as data centers, central offices or any other situation where high performing, high density and quick installation is required. The enclosures are available in two models, the 144 Fiber Enclosure and the class leading 192 Fiber Enclosure. This innovative, robust, easy assemble and low-maintenance 1RU fiber enclosure has been designed for a MTP/MPO LC interface. This excellent space saving solution is ideal for network consolidation as its modular, scalable design provides flexibility for network partitioning and future growth. The rack mounted enclosure has been manufactured using durable powder/liquid coated steel construction ensures years of reliable service. The 19-inch chassis fits industry-standard EIA, ETSI and WECO rack mountable. The 1RU height conserves valuable rack space maximizing "real estate". Quick Release pins on the enclosure front allows easy access as well as patch cord protection. Molex recommends our Bend Insensitive Uniboot Long Reach patch cords for ensuring correct fiber bend radius, lower cable weight and better cable management. These leads feature a long reach tab that allows for easy moves, adds and changes.

- 192 LC Ports, 8 cassettes and supply 1 MTP/MPO and 24 LC Ports breakout in each cassette
- 144 LC Ports, 12 cassettes and supply 1 MTP/MPO and 12 LC Ports breakout in each cassette
- Designed for 10G/40G/100G/200G/400G system migration
- Applied Quad LC adapter or MTP/MPO adapter on adapter panel or cassette
- Combined with bend insensitive uniboot patch cords for maximum density and reliability
- Special guide PIN design made cassette easily plug and draw out
- Removable top cover providing easy access to the interior

| Order No. | SAP No. | Description |
|---|---|---|
| XFR-19201 | 181810266 | Xtreme Density Cassette Capacity 2X12F MPO/LC OS2 Low Loss |
| XFR-19202 | 181810267 | Xtreme Density Cassette Capacity 2X12F MPO/LC OM3 Low Loss |
| XFR-19203 | 181810268 | Xtreme Density Cassette Capacity 2X12F MPO/LC OM4 Low Loss |
| XFR-10192 | 180660087 | Xtreme Density 1 RU Enclosure 8x24F Cassette Capacity MPO/LC 192 F |
| CMA-00112 | Consult Molex | Xtreme Density 1 RU Enclosure Front Door |
| XFR-19204 | 181810291 | Xtreme Density 8X MPO Adapter Box, Adapter Loaded, Singlemode |
| XFR-19205 | 181810292 | Xtreme Density 8X MPO Adapter Box, Adapter Loaded, Multimode |
| XFR-19206 | 181810293 | Xtreme Density 2X24F To 6X8F MPO Transfer Box, OS2, Low Loss |
| XFR-19207 | 181810294 | Xtreme Density 2X24F To 6X8F MPO Transfer Box, OM3, Low Loss |
| XFR-19208 | 181810298 | Xtreme Density 2X24F To 6X8F MPO Transfer Box, OM4, Low Loss |
| XFR-19209 | 181810295 | Xtreme Density Cassette Capacity 1X24F MPO/LC OS2 Low Loss |
| XFR-19210 | 181810296 | Xtreme Density Cassette Capacity 1X24F MPO/LC OM3 Low Loss |
| XFR-19211 | 181810297 | Xtreme Density Cassette Capacity 1X24F MPO/LC OM4 Low Loss |

# Fiber Optic Solution Lightband Rack Mount Solutions

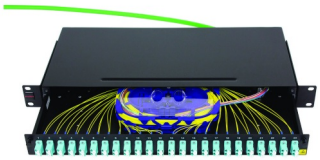


### High Density 1RU 144F Fiber Enclosure

Molex High Density Fiber Enclosures are designed for high density applications such as Data Centers, SAN, medical healthcare, central offices or any other situation where high performing, high density and quick installation is required. The enclosure is available in 1RU 144 fiber capacity through LC connector and has various kinds of modules to support different types of applications.

- Supports various kinds of modular cassettes
- Each Enclosure accommodates 6 cassettes
- Each MTP/MPO-LC preterminated cassette accommodates 24F fiber
- MTP-24, MTP-12, MTP-8 various kinds of MTP-LC cassettes
- OS2, OM3, OM4 & OM5 fiber optional for the MTP/MPO-LC modular cassettes
- Splicing and preterm solution supported
- Supports MTP/MPO and LC connector interface
- Designed for 10G/40G/100G/200G/400G system migration
- Inbuild front cable management tray on enclosure provides easy patch cord management capability
- Cassette inbuild with front cable tray to separate the patch cord for each cassette
- Spring cotter to achieve easy inserting and locking of the cassettes
- Low loss version for all fiber assembles

| Order No. | SAP No. | Description |
|---|---|---|
| HFR-10144 | 180660136 | HD Fiber Enclosure 1U 144F, Black |
| HFR-14401 | 181810303 | HD Cassette 24F 2XMTP(M)-LCD LL OS2, Black |
| HFR-14402 | 181810304 | HD Cassette 24F 2XMTP(M)-LCD LL OM3, Black |
| HFR-14403 | 181810305 | HD Cassette 24F 2XMTP(M)-LCD LL OM4, Black |
| HFR-14404 | 181810306 | HD Cassette 24F 2XMTP(M)-LCD LL OM5, Black |
| HFR-14405 | 181810307 | HD Cassette 24F 3XMTP(M)-LCD LL OS2, Black |
| HFR-14406 | 181810308 | HD Cassette 24F 3XMTP(M)-LCD LL OM3, Black |
| HFR-14407 | 181810309 | HD Cassette 24F 3XMTP(M)-LCD LL OM4, Black |
| HFR-14408 | 181810310 | HD Cassette 24F 3XMTP(M)-LCD LL OM5, Black |
| HFR-14409 | 181810311 | HD Cassette 24F 1XMTP(M)-LCD LL OS2, Black |
| HFR-14410 | 181810312 | HD Cassette 24F 1XMTP(M)-LCD LL OM3, Black |
| HFR-14411 | 181810313 | HD Cassette 24F 1XMTP(M)-LCD LL OM4, Black |
| HFR-14412 | 181810314 | HD Cassette 24F 1XMTP(M)-LCD LL OM5, Black |
| HFR-14413 | 181810315 | HD Cassette 24F LCD Pigtail LL OS2, Black |
| HFR-14414 | 181810316 | HD Cassette 24F LCD Pigtail LL OM3, Black |
| HFR-14415 | 181810317 | HD Cassette 24F LCD Pigtail LL OM4, Black |
| HFR-14416 | 181810318 | HD Cassette 24F LCD Pigtail LL OM5, Black |
| HFR-14417 | 181810319 | HD Cassette SM 12XMTP Adapter, Black |
| HFR-14418 | 181810320 | HD Cassette MM 12XMTP Adapter, Black |
| HFR-14419 | 181810325 | HD Cassette OS2 24F 2XMPO(M)-LCD LL, Black |
| HFR-14420 | 181810326 | HD Cassette OM3 24F 2XMPO(M)-LCD LL, Black |
| HFR-14421 | 181810327 | HD Cassette OM4 24F 2XMPO(M)-LCD LL, Black |
| HFR-14422 | 181810328 | HD Cassette 24F LCD Pigtail LL OM5, Black |



### Utility Fiber Enclosure 1U 24 Port Duplex LC

A cost-effective and convenient sliding drawer unit for the connection, protection and management of up to 48 fibers in 1U. Designed for simple low-density fiber installations on a budget, the Utility Fiber Enclosure includes only the essential features for the connection, protection and management of up to 48 fibers in 1U.

- Robust steel construction, finished in black
- Sliding drawer unit for ease of installation and access
- A self-adhesive splice holder, a M20 gland, blank grommet, kevlar clamp and fixing kit are included
- Rear access apertures provide four convenient cable or pre-terminated harness assembly, entry options

| Order No. | SAP No. | Description |
|---|---|---|
| RFR-00326 | 180660097 | Utility Fiber Enclosure, 1U DLC, 48F - Unloaded |

Adapters
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Universal Splice Tray
Page 53

# Fiber Optic Solution Lightband Rack Mount Solutions

DIN Rail DataGate Jack Adapter Page 17

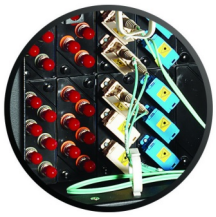
**DIN Rail Mountable Enclosure, Unloaded**

The DIN rail mountable enclosure provides an effective solution for control panels and distribution cabinets where DIN mounted equipment is used. Designed to accommodate copper, fiber and multi-media modules, the enclosure supports most industrial applications and protects the fiber bend radius in shallow enclosures where space is limited. It can be side stacked to increase capacity with network changes. Available in black and includes a label and label cover, it also includes a splicing protector holder to provide up to 24 fiber splicing to improve splicing point and fiber protection.

- High density solution up to 24F with LC Quad adapter
- Universal application for both copper and fibers, supports up to 3 port UTP/FTP RJ45 Jacks
- 35mm standard DIN Rail Mountable to support standard 35mm DIN rail application
- Compatible with 1 port MTP adapter plate to support MTP-LC fanout application
- Compatible with any 6-PAK plate. Universal foot print to support all existing plates
- Compatible with LGX118 plate
- Hinged between cover and base to provide easy installation and maintenance
- Splicing protector holder included to provide better splicing point and fiber protection
- Label with label protector to provide endurance under industry environment
- Rugged steel construction in powder coated black finish
- Spiral binding tube protects fiber pigtails
- Bend-insensitive pigtails are recommended to be used in enclosure
- Wall mountable

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00082 | 180670020 | DIN rail fiber/copper enclosure, unloaded, black, Generation II |

# Fiber Optic Solution Lightband Enclosures



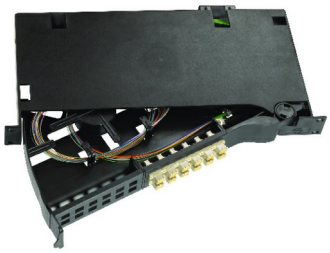
Modular Splice Cassettes Page 48

### Specification Grade Fiber Enclosures

Specification Grade Fiber Optic Enclosures are configurable rack mount units used for storing and terminating incoming fiber cable. Designed to accommodate both the needs of the installer for the initial assembly and the end user for access, maintenance and fiber protection. Great care has gone into the design to protect fiber optic cables and patch cords from damage and to maintain stable optical integrity throughout the life and use of the enclosure.

- Standard 19" rack mount
- Lightweight, lockable, and removable aluminium hinged front and rear doors provide security
- Externally mounted cable strain relief bracket mounts to accommodate cable routing from above or below
- Labeling incorporated on hinged, drop-down metal front door
- 1U Fiber Enclosure - accommodates up to 4 6, 12 or 24 fiber plates, 4 ModLink Cassettes & 2 Splice Trays
- 2U Fiber Enclosure - accommodates up to 8 6, 12 or 24 fiber plates, 8 ModLink Cassettes & 8 Splice Trays
- 4U Fiber Enclosure - accommodates up to 24 6, 12 or 24 fiber plates, 24 ModLink Cassettes & 12 Splice Trays

| Order No. | SAP No. | Description |
|---|---|---|
| RFR-00201 | 180370259 | 24-48 Port Specification Grade Fiber Enclosure - 1U |
| RFR-00202 | 180370260 | 48-96 Port Specification Grade Fiber Enclosure - 2U |
| RFR-00204 | 180660016 | 144-288 Port Specification Grade Fiber Enclosure - 4U |
| AFR-00222 | 180600069 | Universal Splice Tray Carrier Kit |
| **Accessories** | | |
| AFR-00222L | Consult Molex | Universal Splice Tray Mounting Bracket |

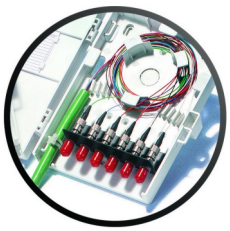


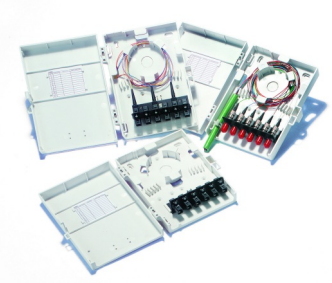
### Fiber Swing-Out Plastic Patch Panel

The Swing-Out Plastic Patch Panel is a light-weight, robust fiber optic patch panel designed for the installation of up to 48 fibers. The panel offers an economic alternative to metal fiber enclosures. The lower tray is designed to pivot enabling access to the pre-formed fiber and splice management areas for easy cable dressing and installation.

- High density, economic, 48 fiber enclosure
- Compatible with all common fiber adapters
- Manufactured from high-strength, light-weight material
- Lower tray of the panel pivots out for access to splice tray and pigtail routing area

| Order No. | SAP No. | Description |
|---|---|---|
| RFR-00205 | 180660017 | Swing-Out Fiber Panel Chassis - 1U |
| RFR-00206 | 180660018 | Swing Out Fiber Panel Front Plate Blank |
| RFR-00207 | 180660019 | Swing Out Fiber Panel Shuttered Front Plate 6 Duplex SC SM |
| RFR-00208 | 180660020 | Swing Out Fiber Panel Shuttered Front Plate 6 SC MM |
| RFR-00209 | 180660021 | Swing Out Fiber Panel Shuttered Front Plate 12 Duplex LC SM |
| RFR-00210 | 180660022 | Swing Out Fiber Panel Front Plate 12 ST SM/MM |
| RFR-00212 | 180660024 | Swing-Out Panel Shuttered Front Plate 12 DLC MM |
| RFR-00213 | 180660025 | Swing-Out Panel Unshuttered Front Plate 6 DSC SM |
| RFR-00214 | 180660026 | Swing-Out Panel Unshuttered Front Plate 6 DSC MM |
| KFR-00038 | 182680003 | Front Plate Label Sheet (Pack 20) |
| KFR-00039 | 182680004 | Cable Anchor Bracket Kit (1 x cable anchor bracket, 1 x 435mm bend limiting tube) |





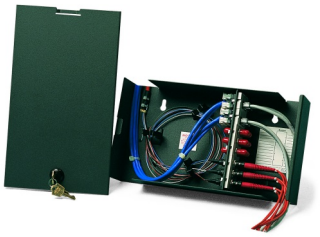
### 601 Fiber Enclosure

The 601 Fiber series wall mount system interface products are compact units for fiber optics. Available in ST, Duplex SC and LC versions they provide either 6, 8 or 12 fiber ports, or 24 ports in the MTP version. The 601 fiber enclosure has a low profile design and provides the proper internal fiber management to ensure the integrity of the optical network. There is also provision for a user supplied seal for added security.

- Compact unit - 184mm x 127mm x 38mm
- Up to 24 Ports
- Available in Singlemode and Multimode fiber versions
- Available in ST, Duplex SC & LC versions
- Top, bottom and rear access

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00010-02 | 180970009 | 6 Port ST 601 Enclosure, Multimode |
| WFR-00024-02 | Consult Molex | 8 Port ST 601 Enclosure, Unloaded |
| WFR-00025-02 | 180970013 | 8 Port ST 601 Enclosure, Multimode |
| WFR-00027-02 | 180970015 | 8 Port Duplex SC 601 Enclosure, Unloaded |
| WFR-00028-02 | 180970016 | 8 Port Duplex SC 601 Enclosure, Multimode |
| WFR-00029-02 | 180970017 | 8 Port Duplex SC 601 Enclosure, Singlemode |
| WFR-00033-02 | 180970078 | 12 Port LC 601 Enclosure, Unloaded |
| WFR-00034-02 | 180970079 | 12 Port LC 601 Enclosure, Multimode |
| WFR-00035-02 | 180970080 | 12 Port LC 601 Enclosure, Singlemode |

# Fiber Optic Solution Lightband Enclosures



### WM-12

The WM-12 is a wall-mounted steel enclosure that provides up to 18 fiber ports in a minimum of space. The WM-12 has an integral configurable panel that accepts up to six Euromod modules. Modules may be mixed for UTP, FTP, optical fiber and coax, making it the most versatile and compact wall mount enclosure for mixed media. Its design also guarantees that all of the media will be protected and proper fiber bend radius is maintained.

- Up to 18 fiber ports
- Fully configurable using Molex Euromod modules
- Available with fully lockable steel doors when security is a primary concern

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00018 | 180090008 | WM12 - Graphite Gray |

Fiber Modules
Page 67

Euromod Modules
Page 15

### Multi User Telecommunications Outlet (MUTO)

The Multi User Telecommunications Outlet (MUTO) is the ideal solution for high-density fiber or copper requirements in the office environment. This sleek product holds up to twelve 25 x 50mm Euromod Modules or USO II fascias and is easily mounted near file servers, active devices, and workstations. The MUTO can also accommodate up to six 50 x 50mm Angled Fiber Modules.

- Aluminium main body
- Two metal end caps (angled)
- Two plastic end caps (flat)
- Four end cap screws
- Two plastic end plugs (for metal end caps)
- Two Snapz icon trees (alpha)
- Accommodates 25 x 50mm USO II fascias, enabling Category 5e or Category 6 performance
- Accommodates ST, SC, MT-RJ & LC Euromod 25 x 50mm and 50 x 50mm Angled Fiber Modules

| Order No. | SAP No. | Description |
|---|---|---|
| CPT-00004 | 180080020 | Multi User Telecommunications Outlet (MUTO) |

Outlet Configuration Solutions
Page 95

Fiber Modules
Page 67

### Universal Splice Trays & Fusion Splice Protectors

The Universal Splice Tray is a configurable enclosure for both mechanical and fusion splices. Loose tube cable is routed into and out of the tray through adjustable tube grips located at each corner. Grips eliminate the need for cable ties and can be tightened and loosened preventing over-compression of the loose tube cable.

- Accepts mechanical and fusion splices
- Adjustable grips on each corner
- Prevents over-compression of the loose tube cable
- Accommodates up to 12 splices
- Fusion Splice Protectors are available in 45mm and 61mm lengths

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00001 | 180600027 | Universal Splicing Tray |
| AFR-00336 | 180690052 | Universal Splice Tray - 24 Fibers |
| AFR-00338 | 180690054 | Universal Splice Tray - Unloaded |
| AFR-00334 | 180690050 | 5 Fiber Mechanical Splice Holder |
| AFR-00335 | 180690051 | 6 Fiber Fusion Splice Holder |
| AFR-00337 | 180690053 | 12 Fiber Fusion Splice Holder |
| KFR-00052 | Consult Molex | 24 Fiber Fusion Splice Holder |
| KFR-00053 | 182680049 | Self Adhesive Cable Management Hub (2 pcs/bag), Black |
| KFR-00008 | 180600025 | 45mm Fusion Splice Protector - 2.4mm (o.d.) |
| KFR-00009 | 180600026 | 61mm Fusion Splice Protector - 2.4mm (o.d.) |
| KFR-00040 | 182680005 | 45mm Fusion Splice Protector - 2.2mm (o.d.) |

# Fiber Optic Solution Lightband Enclosures

Steel Enclosure for PON
Page 84

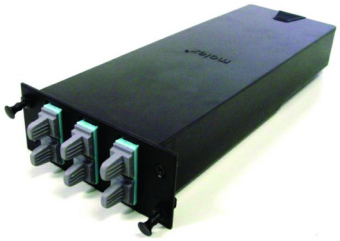

**Wall Mount Steel Enclosure**

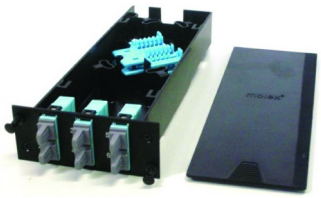
This secure wall-mounted steel enclosure has 12 ports that can accomodate 24 fiber DSC/48 fiber QLC in a minimum of space. Its design guarantees that all of the media will be protected and proper fiber bend radius is maintained.

- Up to 48 fibers
- Accepts SC Duplex and Quad LC Adapters
- Fully secured with lockable and secured steel doors
- Comes with multiple cable entries on the top and bottom for ease of cabling
- Protected front labeling feature for additional panel or port identification
- Robust cable management shelf ensures bend radius compliance
- Global hardware kit included
- Suitable for use as a transition box, enabling the transition of up to 72 cores of fiber (via splicing only), from outdoor type fiber to indoor type fiber

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00065 | 180970120 | Enclosure Wallmount 24DSC/48QLC Unloaded Fiber Box |

# Fiber Optic Solution Lightband Splicing





Multi-Function Enclosure Page 48

Specification Grade Enclosure Page 57


**Modular Splice Cassettes**

The Molex Modular Splice Cassette is an excellent way of managing vulnerable optical fibers, protecting them from dust and damage as a result from routine maintenance. The modular design is upgradeable and reusable. The Cassette is available in a number of pre-loaded kits or in a unloaded configuration.

- Fully integrated into Molex's Specification Grade Enclosures
- Maximises density - maximum 24 fiber capacity
- Integrated Cable Management - prevents damage and ease of control
- Provides perfect bend radius for splices
- Various Splice Holders are available
- Available in Kit format which include cassette, cover, adapter plate, pigtails, splice holders and splice protectors
- Available in components for mix/match or retrofit installs
- Cost Effective

| Order No. | SAP No. | Description |
|---|---|---|
| **6 Fiber Singlemode** | | |
| AFR-00382 | Consult Molex | 6 Fiber Singlemode OS1a/OS2 ST |
| AFR-00382L | Consult Molex | 6 Fiber Singlemode G.657a2 ST Low Loss |
| AFR-00340 | Consult Molex | 6 Fiber Singlemode G.657a2 Duplex SC Blue |
| AFR-00340L | Consult Molex | 6 Fiber Singlemode G.657a2 Duplex SC Blue Low Loss |
| AFR-00710-GR | Consult Molex | 6 Fiber Singlemode G.657a2 Duplex SC APC Green |
| AFR-00711-GR | Consult Molex | 6 Fiber Singlemode G.657a2 Duplex SC APC Green Low Loss |
| **6 Fiber Multimode** | | |
| AFR-00383 | Consult Molex | 6 Fiber Multimode OM1 ST |
| AFR-00384 | Consult Molex | 6 Fiber Multimode OM2 ST |
| AFR-00499 | Consult Molex | 6 Fiber Multimode OM3 BI ST |
| AFR-00499L | Consult Molex | 6 Fiber Multimode OM3 BI ST Low Loss |
| AFR-00490 | Consult Molex | 6 Fiber Multimode OM4 BI ST |
| AFR-00490L | Consult Molex | 6 Fiber Multimode OM4 BI ST Low Loss |
| AFR-00760 | Consult Molex | 6 Fiber Multimode OM5 BI ST |
| AFR-00761 | Consult Molex | 6 Fiber Multimode OM5 BI ST Low Loss |
| AFR-00341 | Consult Molex | 6 Fiber Multimode OM1 Duplex SC Beige |
| AFR-00342 | Consult Molex | 6 Fiber Multimode OM2 BI Duplex SC Beige |
| AFR-00343 | Consult Molex | 6 Fiber Multimode OM3 BI Duplex SC Aqua |
| AFR-00343L | Consult Molex | 6 Fiber Multimode OM3 BI Duplex SC Aqua Low Loss |
| AFR-00486 | Consult Molex | 6 Fiber Multimode OM4 BI Duplex SC Erika Violet |
| AFR-00486L | Consult Molex | 6 Fiber Multimode OM4 BI Duplex SC Erika Violet Low Loss |
| AFR-00503 | Consult Molex | 6 Fiber Multimode OM4 BI Duplex SC Aqua |
| AFR-00503L | Consult Molex | 6 Fiber Multimode OM4 BI Duplex SC Aqua Low Loss |
| AFR-00712-LG | Consult Molex | 6 Fiber Multimode OM5 BI Duplex SC Lime Green |
| AFR-00713-LG | Consult Molex | 6 Fiber Multimode OM5 BI Duplex SC Lime Green Low Loss |
| **12 Fiber Singlemode** | | |
| AFR-00344 | Consult Molex | 12 Fiber Singlemode G.657a2 Duplex SC Blue |
| AFR-00344L | Consult Molex | 12 Fiber Singlemode G.657a2 Duplex SC Blue Low Loss |
| AFR-00406 | Consult Molex | 12 Fiber Singlemode G.657a2 Duplex SC APC Green |
| AFR-00406L | Consult Molex | 12 Fiber Singlemode G.657a2 Duplex SC APC Green Low Loss |
| AFR-00348 | Consult Molex | 12 Fiber Singlemode G.657a2 Duplex LC Blue |
| AFR-00348L | Consult Molex | 12 Fiber Singlemode G.657a2 Duplex LC Blue Low Loss |
| AFR-00716-GR | Consult Molex | 12 Fiber Singlemode G.657a2 Duplex LC APC Green |
| AFR-00717-GR | Consult Molex | 12 Fiber Singlemode G.657a2 Duplex LC APC Green Low Loss |
| **12 Fiber Multimode** | | |
| AFR-00345 | Consult Molex | 12 Fiber Multimode OM1 Duplex SC Beige |
| AFR-00349 | Consult Molex | 12 Fiber Multimode OM1 Duplex LC Beige |
| AFR-00346 | Consult Molex | 12 Fiber Multimode OM2 BI Duplex SC Beige |
| AFR-00350 | Consult Molex | 12 Fiber Multimode OM2 BI Duplex LC Beige |
| AFR-00347 | Consult Molex | 12 Fiber Multimode OM3 BI Duplex SC Aqua |
| AFR-00347L | Consult Molex | 12 Fiber Multimode OM3 BI Duplex SC Aqua Low Loss |
| AFR-00351 | Consult Molex | 12 Fiber Multimode OM3 BI Duplex LC Aqua |
| AFR-00351L | Consult Molex | 12 Fiber Multimode OM3 BI Duplex LC Aqua Low Loss |
| AFR-00487 | Consult Molex | 12 Fiber Multimode OM4 BI Duplex SC Erika Violet |
| AFR-00487L | Consult Molex | 12 Fiber Multimode OM4 BI Duplex SC Erika Violet Low Loss |
| AFR-00488 | Consult Molex | 12 Fiber Multimode OM4 BI Duplex LC Erika Violet |
| AFR-00488L | Consult Molex | 12 Fiber Multimode OM4 BI Duplex LC Erika Violet Low Loss |
| AFR-00504 | Consult Molex | 12 Fiber Multimode OM4 BI Duplex SC Aqua |
| AFR-00504L | Consult Molex | 12 Fiber Multimode OM4 BI Duplex SC Aqua Low Loss |
| AFR-00505 | Consult Molex | 12 Fiber Multimode OM4 BI Duplex LC Aqua |
| AFR-00505L | Consult Molex | 12 Fiber Multimode OM4 BI Duplex LC Aqua Low Loss |
| AFR-00714-LG | Consult Molex | 12 Fiber Multimode OM5 BI Duplex SC Lime Green |
| AFR-00715-LG | Consult Molex | 12 Fiber Multimode OM5 BI Duplex SC Lime Green Low loss |
| AFR-00718-LG | Consult Molex | 12 Fiber Multimode OM5 BI Duplex LC Lime Green |
| AFR-00719-LG | Consult Molex | 12 Fiber Multimode OM5 BI Duplex LC Lime Green Low loss |
| **24 Fiber Singlemode** | | |

# Fiber Optic Solution Lightband Splicing

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00352 | Consult Molex | 24 Fiber Singlemode G.657a2 Quad LC Blue |
| AFR-00352L | Consult Molex | 24 Fiber Singlemode G.657a2 Quad LC Blue Low Loss |
| AFR-00720-GR | Consult Molex | 24 Fiber Singlemode G.657a2 Quad LC APC Green |
| AFR-00721-GR | Consult Molex | 24 Fiber Singlemode G.657a2 Quad LC APC Green Low Loss |
| **24 Fiber Multimode** | | |
| AFR-00353 | Consult Molex | 24 Fiber Multimode OM1 Quad LC Beige |
| AFR-00354 | Consult Molex | 24 Fiber Multimode OM2 BI Quad LC Beige |
| AFR-00355 | Consult Molex | 24 Fiber Multimode OM3 BI Quad LC Aqua |
| AFR-00355L | Consult Molex | 24 Fiber Multimode OM3 BI Quad LC Aqua Low Loss |
| AFR-00489 | Consult Molex | 24 Fiber Multimode OM4 BI Quad LC Erika Violet |
| AFR-00489L | Consult Molex | 24 Fiber Multimode OM4 BI Quad LC Erika Violet Low Loss |
| AFR-00506 | Consult Molex | 24 Fiber Multimode OM4 BI Quad LC Aqua |
| AFR-00506L | Consult Molex | 24 Fiber Multimode OM4 BI Quad LC Aqua Low Loss |
| AFR-00722-LG | Consult Molex | 24 Fiber Multimode OM5 BI Quad LC Lime Green |
| AFR-00723-LG | Consult Molex | 24 Fiber Multimode OM5 BI Quad LC Lime Green Low Loss |
| **Accessories** | | |
| AFR-00337 | Consult Molex | 24 Fiber Fusion Splice Holder |
| AFR-00380 | 183190016 | Modular Splice Cassette Housing and Lid |

# Fiber Optic Solution Lightband Adapter Plates

### 6 Fiber Adapter Plates

6 Fiber Adapter Plates fit directly into most Molex fiber management enclosures and are compatible with the Modular Splice Cassette housing and Lid (AFR-00380). The simple design requires no tooling as the plates install with a simple snap rivet.

- Accommodates 6 or 12 fibers
- Available in Singlemode & Multimode versions
- Compatible with Molex Fiber Enclosures
- Compatible with the Modular Splice Cassette housing and Lid (AFR-00380)

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00357 | 180600135 | ST 6 Fiber Adapter Plate, Singlemode |
| AFR-00364 | 180600142 | ST 6 Fiber Adapter Plate unloaded |
| AFR-00371 | 180600149 | ST 6 Fiber Multimode Adapter Plate |
| AFR-00358 | 180600136 | SC Duplex 6 Fiber Singlemode Adapter Plate - Blue |
| AFR-00372 | 180600150 | SC Duplex 6 Fiber Adapter Plate, Multimode, OM3 - Aqua |
| AFR-00500 | 180600246 | SC Duplex 6 Fiber Adapter Plate, Multimode, OM4 - Erika Violet |
| AFR-00673-LG | 180600478 | SC Duplex, 6 Fiber Adapter Plate, Multimode, OM5 - Lime Green |

### 6 Fiber Shuttered Adapter Plates

6 Fiber Shuttered Adapter Plates fit directly into most Molex fiber management enclosures. The simple design requires no tooling as the plates install with a simple snap rivet. Shuttered 6 Fiber Plates feature Molex's shuttered technology which protects installers and end users from LED/Laser light emissions.

- Available in Singlemode & Multimode versions
- Compatible with Molex Fiber Enclosures
- Unique shuttered feature protects from harmful light emissions

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00359 | 180600137 | 6 Fiber Shuttered Duplex SC Adapter Plate OS1a/2 Blue |
| AFR-00229 | 180600100 | 6 Fiber Shuttered Duplex SC/APC Adapter Plate OS1a/2 Green |
| AFR-00311 | 180600078 | 6 Fiber Shuttered Duplex SC Adapter Plate OM3 Aqua |
| AFR-00675-LG | 180600482 | 6 Fiber Shuttered Duplex SC Adapter Plate OM5 Lime Green |

### 6 Fiber Angled Adapter Plates

Angled 6 Fiber SC Adapter Plates fit directly into most Molex fiber management enclosures. The simple design requires no tooling as the plates install with a simple snap rivet, making installation and changes simple. Adapters on Angled 6 Fiber Plates are fixed at a 30 degree angle to protect installers and end users from LED/Laser light emissions.

- Accommodates 6 fibers
- Available with Duplex SC and ST adapters
- Available in Singlemode & Multimode versions
- For use within Molex's Fiber Management Systems
- Angled design assists with maintaining the correct fiber bend radius

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00182 | 180600129 | 6 Fiber Angled Duplex SC Adapter Plate, OM1/2 - Beige |
| AFR-00182-AQ | 180600308 | 6 Fiber Angled Duplex SC Adapter Plate, OM3 - Aqua |
| AFR-00548-EV | 180600310 | 6 Fiber Angled Duplex SC Adapter Plate, OM4 - Erika Violet |
| AFR-00686-LG | 180600493 | 6 Fiber Angled Duplex SC Adapter Plate, OM5 - Lime Green |
| AFR-00183 | 180600116 | 6 Fiber Angled Duplex SC Adapter Plate, OS1a/2 Singlemode, Blue |

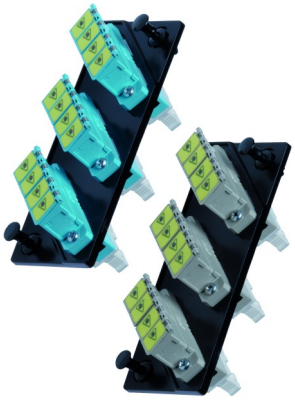
### 12 Fiber Adapter Plates

12 Fiber Adapter Plates fit directly into most Molex fiber management enclosures. The simple design requires no tooling as the plates install with a simple snap rivet.

- Accommodates 12 fibers
- Available in Singlemode & Multimode versions
- For use within Molex's Fiber Management Systems

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00365 | 180600143 | LC Duplex 12 Fiber Singlemode Adapter Plate - Blue |
| AFR-00376 | 180600154 | LC Duplex 12 Fiber Multimode OM3 Adapter Plate - Aqua |
| AFR-00544-EV | 180600305 | LC Duplex 12 Fiber Adapter Plate OM4 - Erika Violet |
| AFR-00679-LG | 180600486 | LC Duplex, 12 Fiber Adapter Plate OM5 - Lime Green |
| AFR-00368 | 180600146 | SC Duplex 12 Fiber Adapter Plate, Singlemode - Blue |
| AFR-00374 | 180600152 | SC Duplex 12 Fiber Adapter Plate, Multimode OM3 - Aqua |
| AFR-00501 | 180600247 | SC Duplex 12 Fiber Adapter Plate, Multimode OM4 - Erika Violet |
| AFR-00678-LG | 180600485 | SC Duplex, 12 Fiber Adapter Plate, Multimode, OM5 Lime Green |

# Fiber Optic Solution Lightband Adapter Plates



### 12 Fiber Shuttered Adapter Plates

12 Fiber Shuttered Adapter Plates fit directly into most Molex fiber management enclosures. The simple design requires no tooling as the plates install with a simple snap rivet. Shuttered 12 fiber plates feature Molex's shuttered technology which protect installers and end users from LED/ Laser light emissions.

- Accommodates 12 fibers
- Available in Singlemode & Multimode versions
- Compatible with Molex Fiber Enclosures
- Shuttered feature protects from harmful light emissions

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00369 | 180600147 | LC Quad 12 Fiber Singlemode Adapter Plate - Blue |
| AFR-00375 | 180600153 | LC Quad 12 Fiber Multimode OM3 Adapter Plate - Aqua |
| AFR-00375-EV | 180600306 | LC Quad 12 Fiber Multimode OM4 Adapter Plate - Erika Violet |
| AFR-00681-LG | 180600488 | LC Quad 12 Fiber Multimode OM5 Adapter Plate - Lime Green |

### 24 Fiber Adapter Plates

24 Fiber Adapter Plates fit directly into most Molex fiber management enclosures. The simple design requires no tooling as the plates install with a simple snap rivet.

- Accommodates 24 fibers
- Available in Singlemode & Multimode versions
- For use within Molex's Fiber Management Systems

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00377 | 180600155 | LC Quad 24 Fiber Multimode OM1 Adapter Plate - Beige |
| AFR-00378 | 180600156 | LC Quad 24 Fiber Multimode OM3 Adapter Plate - Aqua |
| AFR-00502 | 180600248 | LC Quad 24 Fiber Multimode OM4 Adapter Plate - Erika Violet |
| AFR-00684-LG | 180600491 | LC Quad, 24 Fiber Multimode OM5 Adapter Plate - Lime Green |
| AFR-00379 | 180600157 | LC Quad 24 Fiber Singlemode OS1a Adapter Plate - Blue |

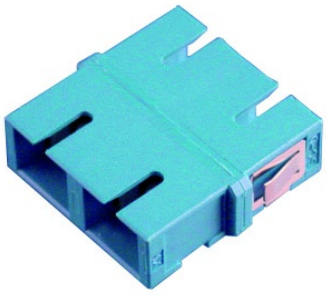
### High Density MPO/MTP Adapter Plate

Molex High Density MPO/MTP Adapter Plates are a modular platform that are compatible with various Molex Enclosures.

- Six Adapters
- 72 Fiber density
- Snap rivets, allowing for easy installation and removal
- Upgradeable/reusable - Aqua: 1/10/40GB compatible, Green: 1G/10/40/100GB compatible
- Color coded for ease of system separation
- 100% factory tested

| Order No. | SAP No. | Description |
|---|---|---|
| AFR-00422-04 | Consult Molex | 72 Fiber MPO/MTP Adapter Plate - Black |
| AFR-00422-0L | Consult Molex | 72 Fiber MPO/MTP Adapter Plate - Beige |
| AFR-00422-0J | Consult Molex | 72 Fiber MPO/MTP Adapter Plate - Green |
| AFR-00422-AQ | Consult Molex | 72 Fiber MPO/MTP Adapter Plate - Aqua |
| AFR-00422-BL | Consult Molex | 72 Fiber MPO/MTP Adapter Plate - Blue |
| AFR-00422-08 | Consult Molex | 72 Fiber MPO/MTP Adapter Plate - Gray |

# Fiber Optic Solution Lightband Adapter Plates

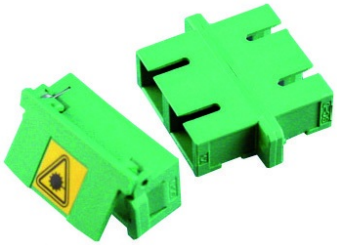


### Duplex SC Adapters

Duplex SC adapters feature either a snap or flange mount and are designed to support the TIA/EIA commercial building telecommunication wiring standards.

- NTT-SC and Bellcore 326 compliant connectors
- Meets TIA-568.3-D and IEC 874-109 standards
- Unique shuttered feature protects from harmful light emissions - Available upon application

| Order No. | SAP No. | Description |
|---|---|---|
| 18282-0037 | 182820037 | SC/SC Duplex Singlemode Zirconia Flange Mount Unshuttered - Blue |
| 18282-0103 | 182820103 | SC/SC Duplex Multimode Zirconia Flange Unshuttered - Beige |
| 18282-0104 | 182820104 | SC/SC Duplex Multimode Zirconia Flange Unshuttered - Aqua |
| 18282-0107 | 182820107 | SC/SC Duplex Multimode Zirconia Flange Unshuttered - Erika Violet |
| 18282-0038 | 182820038 | SC/SC Duplex Singlemode Zirconia Snap Mount Unshuttered - Blue |
| 18282-0108 | 182820108 | SC/SC Duplex Multimode Zirconia Snap Mount Unshuttered - Beige |
| 18282-0109 | 182820109 | SC/SC Duplex Multimode Zirconia Snap Mount Unshuttered - Aqua |
| 18282-0111 | 182820111 | SC/SC Duplex Multimode Zirconia Snap Mount Unshuttered - Erika Violet |
| 106166-0500A | Consult Molex | SC/SC Duplex Singlemode Zirconia Flange Mount Shuttered - Blue |
| 106166-0600 | Consult Molex | SC/SC Duplex Singlemode Zirconia Snap Mount Shuttered - Blue |
| 18282-0188 | 182820188 | SC/SC Shuttered Duplex Zirconia Flange Mount Shuttered - Green |
| **Adapter Shutters** | | |
| 106166-0200 | Consult Molex | SC Duplex Adapter Shutter - Blue |
| 106166-0210 | Consult Molex | SC Duplex Adapter Shutter - Beige |



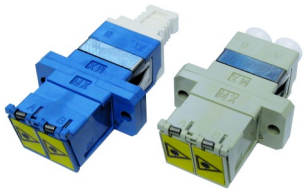
### Duplex SC/APC Adapters

Duplex SC/APC adapters feature either a snap or flange mount and are designed for use with Angled Polish Connectors.

- NTT-SC and Bellcore 326 compliant connectors
- Meets TIA 568.3-D and IEC 874-109 standards
- Unique shuttered feature protects from harmful light emissions - Available upon application

| Order No. | SAP No. | Description |
|---|---|---|
| 106166-0550 | Consult Molex | SC/SC APC Duplex Singlemode Zirconia Flange Mount Shuttered - Green |
| 18282-0039 | 182820039 | SC/SC APC Duplex Singlemode Zirconia Flange Mount Unshuttered - Green |
| 18282-0040 | 182820040 | SC/SC APC Duplex Singlemode Zirconia Snap Mount Unshuttered - Green |

# Fiber Optic Solution Lightband Adapter Plates



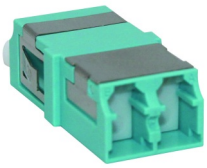
**Duplex LC Adapters**

The LC adapter is the result of increased demands for smaller easier-to-use fiber connectivity. The LC adapter can reduce the space requirements on equipment bays and distribution panels by up to 50%.

- Unique shuttered feature protects from harmful light emissions - Available upon application

| Order No. | SAP No. | Description |
|---|---|---|
| 18282-0184 | 182820184 | LC Shuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Beige |
| 18282-0217 | 182820217 | LC Shuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Lime Green |
| 18282-0182 | 182820182 | LC Shuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Blue |
| 18282-0183 | 182820183 | LC Shuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Green |
| 18282-0186 | 182820186 | LC Shuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Erika Violet |
| 18282-0112 | 182820112 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Beige |
| 18282-0117 | 182820117 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Beige |
| 18282-0224 | 182820224 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Lime Green |
| 18282-0045 | 182820045 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Blue |
| 18282-0046 | 182820046 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Blue |
| 18282-0047 | 182820047 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Green |
| 18282-0048 | 182820048 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Green |
| 18282-0089 | 182820089 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Erika Violet |
| 18282-0092 | 182820092 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Erika Violet |
| 18282-0113 | 182820113 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Aqua |
| 18282-0118 | 182820118 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Aqua |
| 18282-0185 | 182820185 | LC Shuttered Duplex, Snap Mount, Multimode, OM3/4, Zirconia Alignment Sleeve- Aqua |
| 106127-1400 | Consult Molex | LC Shuttered Duplex, Singlemode, OS1a Zirconia Ceramic Snap Mount - Blue |
| 106127-0410 | Consult Molex | LC Shuttered Duplex, Multimode OM1/OM2, Zirconia Snap Mount - Beige |
| 106127-1350 | Consult Molex | LC Shuttered Duplex SM OS1a Zirconia Ceramic Flange Mount - Green |
| 106127-1450 | Consult Molex | LC Shuttered Duplex SM OS1a Zirconia Ceramic Snap Mount - Green |
| 106127-1300A | 1061271300A | LC Shuttered Duplex, Singlemode, Zirconia Alignment |
| 106127-1310A | 1061271310A | LC Shuttered Duplex, Multimode, Zirconia Alignment Sleeve |
| 106127-1300 | 1061271300 | LC Shuttered Duplex, Singlemode OS1a/ Adapter - Blue |
| 106127-0310 | 1061277030 | LC Shuttered Duplex, Multimode OM1/2 Adapter - Beige |
| 106127-0350 | 1061270350 | LC Shuttered Duplex, Multimode OM3 Adapter - Aqua |
| KFR-00016 | 18600072 | Duplex LC or Simplex SC Adapter Blanking Plug, pack of 20 |

# Fiber Optic Solution Lightband Adapter Plates



### Internal Shuttered LC Adapter

The LC connector is the result of increased demands for smaller easier-to-use fiber connectivity. The LC connector has reduced the space requirements on equipment bays and distribution panels by 50%. Molex LC Adapters feature an internal shutter which provides a barrier against harmful light emissions and dust invasion. The adapter also features precise zirconia ceramic alignment sleeves to accommodate either Singlemode, Multimode or Angle Polish (APC) connectors.

- Two LC ports provide multiple Simplex or Duplex connection options
- Ceramic alignment sleeves accommodate Singlemode and Multimode operation
- RoHS Compliant
- Unique internal shuttered feature protected from harmful light emissions. Available upon application
- Snap or screw-style mounting allows for installation flexibility
- Standard LC Duplex compatible mounting provides a direct drop-in-replacement solution

| Order No. | SAP No. | Description |
|---|---|---|
| 18282-0249 | 182820249 | Duplex LC SM OS1/2, Zirconia Sleeve, Flange Mounted, Internal Shuttered, Blue |
| 18282-0250 | 182820250 | Duplex LC MM OM3/4, Zirconia Sleeve, Flange Mounted, Internal Shuttered, Aqua |
| 18282-0251 | 182820251 | Duplex LC MM OM4, Zirconia Sleeve, Flange Mounted, Internal Shuttered, Erika Violet |
| 18282-0252 | 182820252 | Duplex LC MM OM5, Zirconia Sleeve, Flange Mounted, Internal Shuttered, Lime Green |
| 18282-0253 | 182820253 | Duplex LC SM OS1/2, Zirconia Sleeve, Snap Mounted, Internal Shuttered, Blue |
| 18282-0254 | 182820254 | Duplex LC MM OM3/4, Zirconia Sleeve, Snap Mounted, Internal Shuttered, Aqua |
| 18282-0255 | 182820255 | Duplex LC MM OM4, Zirconia Sleeve, Snap Mounted, Internal Shuttered, Erika Violet |
| 18282-0256 | 182820256 | Duplex LC MM OM5, Zirconia Sleeve, Snap Mounted, Internal Shuttered, Lime Green |

### ST Adapters

A broad range of Singlemode and Multimode adapters are available to accommodate ST and ST II connectors. Metallic or polymer versions are available with precise zirconia alignment sleeves.

- RoHS compliant
- Metal or polymer body
- Zirconia alignment sleeves
- Suitable for ST and ST II connectors

| Order No. | SAP No. | Description |
|---|---|---|
| 18282-0065 | 182820065 | ST/ST Adapter, Singlemode/Multimode, Metal Body, Zirconia Sleeve |

### Quad LC Adapters

Designed for high-density applications, the Quad LC adapter provides a 4-position LC adapter solution in a traditional Duplex SC footprint.

- Ceramic or Zirconia alignment sleeves
- Unique shuttered feature protects from harmful light emissions - Available upon application

| Order No. | SAP No. | Description |
|---|---|---|
| 18282-0122 | 182820122 | LC Unshuttered Quad, Zirconia Alignment Sleeve, Flange Mount - Beige |
| 18282-0053 | 182820053 | LC Quad, Zirconia Alignment Sleeve, Flange Mount - Blue |
| 106123-0200 | 1061230200 | LC Shuttered Quad, Singlemode OS1a/2 Adapter - Blue |
| 106123-1200 | 1061231200 | LC Shuttered Quad Multimode OM1/2 Adapter - Beige |
| 106123-3200 | 1061233200 | LC Shuttered Quad, Multimode OM3 Adapter - Aqua |

# Fiber Optic Solution Lightband Fiber-To-The-Desk

### 50 x 50mm Angled Modules

50 x 50mm Angled modules ensure that correct bend radius is maintained in a fiber-to-the-desk environment and feature shuttered adapters, protecting the user from harmful light emissions.

- Available in Singlemode & Multimode versions
- Permits a 30mm bend radius
- For use within Euromod Wallplates

| Order No. | SAP No. | Description |
|---|---|---|
| MEU-00005-02 | 184000314 | Angled ST Module, Multimode - 4 Adapters |
| MEU-00006-02 | 182620055 | Angled ST Module, Singlemode - 4 Adapters |
| MEU-00007-02 | 182620056 | Angled ST Module, Multimode - 2 Adapters |
| MEU-00009-02 | 181210016 | Angled Shuttered Duplex SC Module, Multimode -2 Adapters |
| MEU-00010-02 | 182620000 | Angled Shuttered Duplex SC Module, Singlemode -2 Adapters |
| MEU-00011-02 | 182620058 | Angled Shuttered Duplex SC Module, Multimode -1 Adapter |
| MEU-00012-02 | 182620059 | Angled Shuttered Duplex SC Module, Singlemode -1 Adapter |
| MEU-00013-02 | 182620001 | Angled Shuttered Duplex SC-ST Module, Multimode - 2 Adapters |
| MEU-00014-02 | 182620002 | Angled Shuttered Duplex SC-ST Module, Singlemode - 2 Adapters |
| MEU-00048-02 | 182620074 | Angled Shuttered LC, Singlemode - 2 Adapters |
| MEU-00049-02 | 182620005 | Angled Shuttered LC, Multimode - 2 Adapters |

### 25x50mm Modules

25x50mm modules provide a Singlemode or Multimode solution, supporting SC, ST and LC fiber technology.

- Available in Singlemode & Multimode versions
- For use within Euromod Wallplates

| Order No. | SAP No. | Description |
|---|---|---|
| 17.A0162 | 181210015 | 25 x 50mm Duplex SC Module, Multimode - 1 Adapter |
| 17.A0172 | 181210014 | 25 x 50mm Duplex SC Module, Singlemode - 1 Adapter |
| 17.A0182 | 182620006 | 25 x 50mm Duplex SC-ST Module, Multimode - 1 Adapter |
| 17.A0192 | 182620007 | 25 x 50mm Duplex SC-ST Module, Singlemode - 1 Adapter |
| 17.A0202 | 184000467 | 25 x 50mm Shuttered Duplex SC Module, Multimode - 1 Adapter |
| 17.A0212 | 184000466 | 25 x 50mm Shuttered Duplex SC Module, Singlemode - 1 Adapter |
| 17.A0222 | 182620008 | 25 x 50mm Shuttered Duplex SC-ST Module, Multimode - 1 Adapter |
| MEU-00029-02 | 181490006 | 25 x 50mm LC Module, Singlemode - 2 Adapters |
| MEU-00067-02 | 182620012 | 25 x 50mm LC Module, Multimode - 2 Adapters |

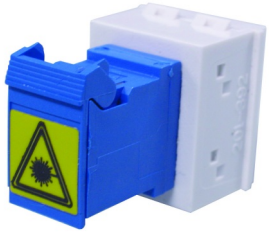
### Single Bezel ST Modules

Designed for use within the Molex Synergy range of wallplates and surface blocks, ST jacks are available in five colors and provide Singlemode and Multimode performance.

- Available in Singlemode & Multimode versions
- DataGate footprint
- Available in 5 colors

| Order No. | SAP No. | Description |
|---|---|---|
| MSY-00003-** | Consult Molex | Single ST Module, Singlemode/Multimode |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray



### Single Bezel SC Modules

Designed for use within the Molex Synergy range of wallplates and surface blocks, SC jacks are available in five colors and provide Singlemode performance.

- Designed to fit into Synergy surface blocks
- Available in 5 colors
- DataGate footprint

| Order No. | SAP No. | Description |
|---|---|---|
| MSY-00018-** | Consult Molex | Simplex Shuttered SC Module, Singlemode |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray

# Fiber Optic Solution Lightband Fiber-To-The-Desk

**Single Bezel LC Modules**

Designed for use within the Molex Synergy range of wallplates and surface blocks, LC modules are available in five colors and provide Multimode performance.

- Designed to fit into Synergy, Streamline, Signature & USO II system of wallplates and surface blocks
- Available in 5 colors
- DataGate footprint

| Order No. | SAP No. | Description |
|---|---|---|
| MSY-00040-** | Consult Molex | Single LC Module, Multimode |

** Color Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray

# Mission critical applications ›

**Pre-terminated solutions reduce the time and manpower required for cabling deployment. This has significant cost saving benefits for new installations and those where moves, additions and changes are frequently required.**

**The Molex ModLink system supports LC or SC fiber connectivity and supports OM1, OM2, OM3, OM4, OM5, OS1a and OS2 applications.**

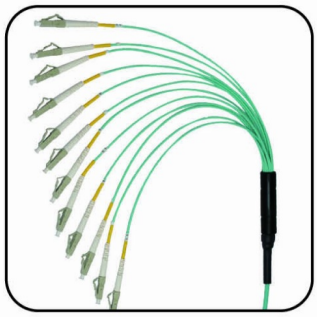
# Pre-terminated Solutions

### Easy Installation

ModLink cassettes click quickly into place for flexible system configuration and fast, economic installation. Simply plug the cable into the rear of the unit and the link is operational.

### Data Center Solutions

The design and implementation of cabling infrastructure is key for the operation and scalability of data centers, storage area networks (SANs) and server rooms. ModLink makes both deployment and reconfiguration quick and easy.



### Signal Performance

All ModLink components are designed and tested to provide consistent and error free performance. Our OS and laser optimized OM cables offer industry-leading insertion loss.

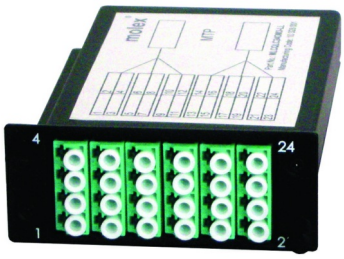
# Pre-Terminated Solutions ModLink
# Fiber Plug and Play

### 12 Port LC ModLink Cassettes

ModLink Cassettes provide a cost-effective, quick and easy fiber system, for backbone and to-the-desk applications. 12 Port LC ModLink Cassettes provide premium factory-controlled optical performance, enabling flexible system configuration and fast, economical installation. Simply plug the cable into the rear of the unit and the link is operational - an excellent solution for fast-track installations.

- Self-contained fiber optic patching enclosures convert the MTP/MPO interface to a standard LC, SC or ST coupler
- Industry-leading low insertion loss for OS1a/2, OM3/4/5 Cassettes
- Available in Singlemode & Multimode versions
- Front port identification plus labeling field on cassette top for fiber documentation
- For use within Molex's Fiber Management Systems

| Order No. | SAP No. | Description |
|---|---|---|
| **Duplex SC** | | |
| MLCDSC12OM3L | Consult Molex | 12 Port ModLink Cassette, Duplex SC, OM3 50µm, Low Loss |
| MLCDSC12OM4L | 181810167 | 12 Port ModLink Cassette, Duplex SC, OM4 50µm, Low Loss |
| MLCDSC12OM5 | Consult Molex | 12 Port ModLink Cassette, Duplex SC, OM5 |
| MLCDSC12OM5L | Consult Molex | 12 Port ModLink Cassette, Duplex SC, OM5, Low Loss |
| MLCDSC12OS2L | 181810166 | 12 Port ModLink Cassette, Duplex SC, OS1a/2 |
| **Duplex LC** | | |
| MLCDLC12OM3L | Consult Molex | 12 Port ModLink Cassette, Duplex LC, OM3 50µm, Low Loss |
| MLCDLC12OM4L | 181810172 | 12 Port ModLink Cassette, Duplex LC, OM4 50µm, Low Loss |
| MLCDLC12OM5 | Consult Molex | 12 Port ModLink Cassette, Duplex LC, OM5 |
| MLCDLC12OM5L | Consult Molex | 12 Port ModLink Cassette, Duplex LC, OM5, Low Loss |
| MLCDLC12OS2L | 181810173 | 12 Port ModLink Cassette, Duplex LC, OS1a/2 |
| **Quad LC** | | |
| MLCQLC12OM3L | 181810177 | 12 Port ModLink Cassette, Quad LC, OM3 50µm, Low Loss |
| MLCQLC12OM4L | 181810176 | 12 Port ModLink Cassette, Quad LC, OM4 50µm, Low Loss |
| MLCQLC12OM5 | Consult Molex | 12 Port ModLink Cassette, Quad LC, OM5 |
| MLCQLC12OS2L | 181810175 | 12 Port ModLink Cassette, Quad LC, OS1a/2 |




### 24 Port Quad LC ModLink Cassettes

ModLink Cassettes provide a cost-effective, quick and easy fiber system for backbone and to-the-desk applications. 24 Port Quad LC ModLink Cassettes provide premium factory-controlled optical performance, enabling flexible system configuration and fast, economical installation. Simply plug the cable into the rear of the unit and the link is operational - an excellent solution for fast-track installations.

- Self-contained fiber optic patching enclosures convert the MTP/MPO interface to a standard LC, SC or ST coupler
- Industry-leading low insertion loss for OS1a/2, OM3/4/5 Cassettes
- Available in Singlemode & Multimode versions
- Front port identification plus labeling field on cassette top for fiber documentation
- For use within Molex's Fiber Management Systems

| Order No. | SAP No. | Description |
|---|---|---|
| MLCQLC24OM2 | Consult Molex | 24 Port ModLink Cassette, Quad LC, OM2 50µm |
| MLCQLC24OM3L | Consult Molex | 24 Port ModLink Cassette, Quad LC, OM3, 50µm, Low Loss |
| MLCQLC24OM4L | 181810171 | 24 Port ModLink Cassette, Quad LC, OM4, 50µm, Low Loss |
| MLCQLC24OM5 | Consult Molex | 24 Port ModLink Cassette, Quad LC, OM5 |
| MLCQLC24OM5L | Consult Molex | 24 Port ModLink Cassette, Quad LC, OM5, Low Loss |
| MLCQLC24OS2L | Consult Molex | 24 Port ModLink Cassette, Quad LC, OS2, Low Loss |

# Pre-Terminated Solutions ModLink Fiber Plug and Play

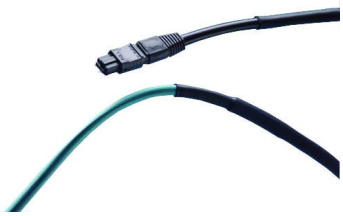
**ModLink Advanced Fiber Optic Cassettes**

Molex Plug and Play Advanced Fiber Optic Systems offer premium factory-controlled optical performance, enable flexible system configuration and fast, economic installation. ModLink is ideal for mission critical applications such as data centers and storage area networks, applications where fast installation is paramount, and environments where moves-adds-changes are frequent or managed in-house.

- Self-contained fiber optic patching enclosures convert the MPO interface to a standard LC, SC, MT-RJ or ST coupler
- Industry-leading low insertion loss for OS1/2, OM3, OM4 and OM5 Cassettes
- Cassettes available in 12 and 24 fiber versions
- Cassettes may be inserted into any standard or spec grade Molex rack mount or wall mount enclosure
- Front port identification plus labeling field on cassette top for fiber documentation

| Order No. | SAP No. | Description |
|---|---|---|
| PMLCDLC12OM3L | 181810333 | Duplex LC, 12-Fiber ModLink MPO Cassette, OM3, Low Loss |
| PMLCDLC12OM4L | 181810332 | Duplex LC, 12-Fiber ModLink MPO Cassette, OM4, Low Loss |
| PMLCDLC12OM5L | 181810342 | Duplex LC, 12-Fiber ModLink MPO Cassette, OM5, Low Loss |
| PMLCDLC12OS2L | 181810329 | Duplex LC, 12-Fiber ModLink MPO Cassette, OS1/OS2, Low Loss |
| PMLCDSC12OM3L | 181810375 | Duplex SC, 12-Fiber ModLink MPO Cassette, OM3, Low Loss |
| PMLCDSC12OM4L | 181810376 | Duplex SC, 12-Fiber ModLink MPO Cassette, OM4, Low Loss |
| PMLCDSC12OM5L | 181810326 | Duplex SC, 12-Fiber ModLink MPO Cassette, OM5, Low Loss |
| PMLCDSC12OS2L | 181810371 | Duplex SC, 12-Fiber ModLink MPO Cassette, OS1/OS2, Low Loss |
| PMLCQLC12OM3L | 181810348 | Quad LC, 12-Fiber ModLink MPO Cassette, OM3, Low Loss |
| PMLCQLC12OM4L | 181810345 | Quad LC, 12-Fiber ModLink MPO Cassette, OM4, Low Loss |
| PMLCQLC12OM5L | 181810352 | Quad LC, 12-Fiber ModLink MPO Cassette, OM5, Low Loss |
| PMLCQLC12OS2L | 181810350 | Quad LC, 12-Fiber ModLink MPO Cassette, OS1/OS2, Low Loss |
| PMLCQLC24OM3L | 181810361 | Quad LC, 24-Fiber ModLink MPO Cassette, 50/125, OM3, Low Loss |
| PMLCQLC24OM4L | 181810362 | Quad LC, 24-Fiber ModLink MPO Cassette, 50/125, OM4, Low Loss |
| PMLCQLC24OM5L | 181810370 | Quad LC, 24-Fiber ModLink MPO Cassette, 50/125, OM5, Low Loss |
| PMLCQLC24OS2L | 181810364 | Quad LC, 24-Fiber ModLink MPO Cassette, 9/125, OS2, Low Loss |

# Pre-Terminated Solutions ModLink
# Fiber Plug and Play



**ModLink Cables**

Molex Plug and Play Advanced Fiber Optic Systems offer premium factory-controlled optical performance, enable flexible system configuration and fast, economical installation. ModLink is ideal for mission critical applications such as Data Centers and Storage Area Networks, applications where fast installation is paramount and environments where moves adds and changes are frequent or managed in-house. A patented flexible transition sleeve maintains the routing feature of the round cable, absorbs vibration shock and provides an ideal surface to secure the MTP connector.

- Industry-leading low insertion loss (0.35dB Maximum Insertion Loss for Laser optimized OM3/4/5 and OS1a/2 Cables, 0.10dB Typical)
- ModLink advanced fiber optic cables are 100% tested
- Pulling eyes installed to protect the assembly during installation
- 3.0mm or 4.5mm o.d.
- Standard and Low Loss versions available
- LS0H rated ribbon cables are factory terminated on both ends with multi-fiber MTP® connectors for maximum fiber density
- Round, flexible outer jacket is easy to bend, route and install
- Part number generator, F.O. Configurator – ModLink cables is available on Molex Customer Support Portal: csp.molex.com.

Part No. Matrix - Substitute the correct code number or letter to determine the assembly construction

**91-XAABB-YLLLC-E***

**Family**

**Fiber Count**
21 = 12 MTP-MTP OFNP Double jacket
22 = 12 MTP-MTP LS0H Double jacket
23 = 24 MTP-MTP OFNP Double jacket
24 = 24 MTP-MTP LS0H Double jacket
25 = 8 MTP-MTP OFNP Double jacket
26 = 8 MTP-MTP LS0H Double jacket
27 = 12 MTP-MTP OFNR Double jacket
28 = 24 MTP-MTP OFNR Double jacket
29 = 8 MTP-MTP OFNR Double jacket
11 = 12 MTP-MTP OFNP Single jacket
12 = 12 MTP-MTP LS0H Single jacket
13 = 24 MTP-MTP OFNP Single jacket
14 = 24 MTP-MTP LS0H Single jacket
15 = 8 MTP-MTP OFNP Single jacket
16 = 8 MTP-MTP LS0H Single jacket
17 = 12 MTP-MTP OFNR Single jacket
18 = 24 MTP-MTP OFNR Single jacket
19 = 8 MTP-MTP OFNR Single jacket

**Polarity Method/Gender**
22 = A, Female to Female (Only for 12 or 24 fiber)
44 = B, Female to Female (applicable for all fiber count)
33 = C, Female to Female (Only for 12 or 24 fiber)
CC = D, Female to Female (Only for 24 fiber)
55 = A, Male to Male (Only for 12 or 24 fiber)
66 = B, Male to Male (applicable for all fiber count)
77 = C, Male to Male (Only for 12 or 24 fiber)
DD = D, Male to Male (Only for 24 fiber)
88 = A, Female to Male (Only for 12 or 24 fiber)
99 = B, Female to Male (applicable for all fiber count)
00 = C, Female to Male (Only for 12 or 24 fiber)
AA = D, Female to Male (Only for 24 fiber)

**Fiber Type**
2 = OM1 62.5/125µm
4 = OS1a/2 9/125µm
4L = OS1a/2 9/125µm Low Loss
6 = OM2 50/125µm
6E = OM3 50/125µm
6L = OM3 50/125µm Low Loss
8E= OM4 50/125µm
8L = OM4 50/125µm Low Loss
9E= OM5 50/125µm
9L = OM5 50/125µm Low Loss

**Length (meters)**
001 = 1 meter
00A = 0.5 meter
00B = 1.5 meter
00C = 2.5 meter
00D = 3.5 meter
00E = 4.5 meter

**Euro Class**
B = Bca LS0H
C = Cca LS0H
D = Dca LS0H
E = Eca LS0H
F = Fca LS0H

* = For EU supply only

**Jacket Color**
0 = Default
OM1 MM = Orange
OM2 MM = Gray
OM3 MM = Aqua
OM4 MM = Erika Violet (Non-Plenum)
Aqua(Plenum)
Aqua(PVC)
OM5 MM = Lime Green
SM = Yellow
A = Aqua - AQ
B = Blue - BL
C = Red - RD
D = Black - BK
E = Dark Gray - GY
F = Brown BR
G = Lime Green - LG
J = Green - GN
K = Yellow - YL
L = Beige - BG
N = Orange - RG
P = Pink - PK
S = Salmon Pink - SP
U = Purple - PP
V = Erika Violet - EV
W = White - WH

| Order No. | SAP No. | Description |
|---|---|---|
| 91-XAABB-YLLLC-E | Consult Molex | ModLink Cables |

# Pre-Terminated Solutions ModLink
# Fiber Plug and Play

**ModLink Advanced Fiber Optic Cables**

Molex Plug and Play Advanced Fiber Optic Systems offer premium factory-controlled optical performance, enable flexible system configuration and fast, economical installation. ModLink is ideal for mission critical applications such as Data Centers and Storage Area Networks, applications where fast installation is paramount and environments where moves adds and changes are frequent or managed in-house.

- Round, flexible outer jacket is easy to bend, route and install
- Available in Plenum (OFNP), Riser (OFNR) and LS0H constructions
- Industry-leading low insertion loss (0.35dB maximum insertion loss for lazer optimized OM3/OM4/OM5 cables and OS1/2 cables, 0.10dB typical)
- Cables available in 8, 12 and 24 fiber constructions
- ModLink Advanced Fiber Optic Cables are 100% tested
- Part number generator, F.O. Configurator – ModLink cables is available on Molex Customer Support Portal: csp.molex.com.

**81-XAABB-YLLLC-E***

**Family**

**Fiber Count**
21 = 12 MPO-MPO OFNP Double jacket
22 = 12 MPO-MPO LS0H Double jacket
23 = 24 MPO-MPO OFNP Double jacket
24 = 24 MPO-MPO LS0H Double jacket
25 = 8 MPO-MPO OFNP Double jacket
26 = 8 MPO-MPO LS0H Double jacket
27 = 12 MPO-MPO OFNR Double jacket
28 = 24 MPO-MPO OFNR Double jacket
29 = 8 MPO-MPO OFNR Double jacket
11 = 12 MPO-MPO OFNP Single jacket
12 = 12 MPO-MPO LS0H Single jacket
13 = 24 MPO-MPO OFNP Single jacket
14 = 24 MPO-MPO LS0H Single jacket
15 = 8 MPO-MPO OFNP Single jacket
16 = 8 MPO-MPO LS0H Single jacket
17 = 12 MPO-MPO OFNR Single jacket
18 = 24 MPO-MPO OFNR Single jacket
19 = 8 MPO-MPO OFNR Single jacket

**Polarity Method/Gender**
22 = A, Female to Female (Only for 12 or 24 fiber)
44 = B, Female to Female (applicable for all fiber count)
33 = C, Female to Female (Only for 12 or 24 fiber)
CC = D, Female to Female (Only for 24 fiber)
55 = A, Male to Male (Only for 12 or 24 fiber)
66 = B, Male to Male (applicable for all fiber count)
77 = C, Male to Male (Only for 12 or 24 fiber)
DD = D, Male to Male (Only for 24 fiber)
88 = A, Female to Male (Only for 12 or 24 fiber)
99 = B, Female to Male (applicable for all fiber count)
00 = C, Female to Male (Only for 12 or 24 fiber)
AA = D, Female to Male (Only for 24 fiber)

**Fiber Type**
2 = OM1 62.5/125µm
4 = OS1a/2 9/125µm
4L = OS1a/2 9/125µm Low Loss
6 = OM2 50/125µm
6E = OM3 50/125µm
6L = OM3 50/125µm Low Loss
8E= OM4 50/125µm
8L = OM4 50/125µm Low Loss
9E= OM5 50/125µm
9L = OM5 50/125µm Low Loss

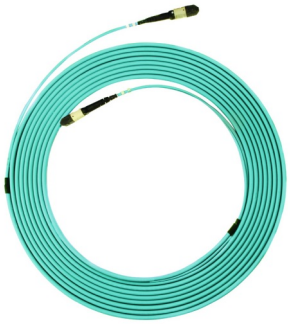
**Length**
001 = 1 meter
00A = 0.5 meter
00B = 1.5 meter
00C = 2.5 meter
00D = 3.5 meter
00E = 4.5 meter

**Jacket Color**
0 = Default
OM1 MM = Orange
OM2 MM = Gray
OM3 MM = Aqua
OM4 MM =
Erika Violet (Non-Plenum)
Aqua(Plenum)
Aqua(PVC)
OM5 MM =
Lime Green
SM = Yellow
A = Aqua - AQ
B = Blue - BL
C = Red - RD
D = Black - BK
E = Dark Gray - GY
F = Brown BR
G = Lime Green - LG
J = Green - GN
K = Yellow - YL
L = Beige - BG
N = Orange - RG
P = Pink - PK
S = Salmon Pink - SP
U = Purple - PP
V = Erika Violet - EV
W = White - WH

**Euro Class**
B = Bca LS0H
C = Cca LS0H
D = Dca LS0H
E = Eca LS0H
F = Fca LS0H
* = For EU supply only

| Order No. | SAP No. | Description |
|---|---|---|
| 81-XAABB-YLLLC-E | Consult Molex | ModLink Advanced Fiber Optic Cables |

# Pre-Terminated Solutions ModLink
# Fiber Plug and Play



**MTP-MTP Pre-Terminated Multicore Cable Assemblies**

Molex Pre-Terminated Fiber Optic Cable Assemblies offer premium factory-controlled optical performance on a variety of connectors that enable fast, economical installation. Pre-Terminated Cable Assemblies are ideal for mission-critical backbone applications such as data center tie cables and low optical loss backbone riser cables.

- Available in: Low Loss: OS1a/2, OM3/4/5 Standard Loss: OS1a/2, OM1/2/3/4/5
- 8-144 core count available with 8, 12 or 24 cores MTP connector
- 2mm ruggedized tails and 900µm tails available
- Customized Tail Length and Configuration options available
- LS0H and OFNP cable jacket
- Ideal for: Internal short optical links Front panel/equipment connections Data center infrastructure Storage Area Network (SAN)
- Available with a variety of connector types
- Part number generator, F.O. Configurator – MTP/MTP cable assemblies is available on Molex Customer Support Portal: csp.molex.com.

Part No. Matrix - Substitute the correct code number or letter to determine the assembly construction

**9 M A A B C C D E E F F G H I I I J**

**Family**

**Fiber Count**
8-99
AX = 100-109
BX = 110-119
CX = 120-129
DX = 130-139
EX = 140-144*
Like 144F=E4

**Polarity**
A = Method A
B = Method B
C = Method C*
D = Method D**
* Only For 12&24F MTP Connector
**Only For 24F MTP Connector

**Connector Type for End A & End B**
A = 12 Fiber Low Loss Male
B = 12 Fiber Low Loss Female
C = 12 Fiber Std Loss Male
D = 12 Fiber Std Loss Female
J = 8 Fiber Low Loss Male
K = 8 Fiber Low Loss Female
L = 8 Fiber Std Loss Male
M= 8 Fiber Std Loss Female
1 = 24 Fiber Low Loss Male
2 = 24 Fiber Low Loss Female
3 = 24 Fiber Std Loss Male
4 = 24 Fiber Std Loss Female

**Fiber Type**
1 = OM1
2 = OM2
3 = OM3
4 = OM4
5 = OM5
8 = OS1/2
9 = G.657A2

**Tail Length for End A & End B**
0 = 0m*
1 = 1m
2 = 2m
3 = 3m
A = 4.5m
B = 0.5m
*0 only for single MTP Connector end

**Tail Configuration, End A & End B**
A = 3mm/5mm Ruggedized Even*
B = 3mm Ruggedized Fan Staggered 30mm
C = 3mm Ruggedized Fan Staggered 50mm
D = 3mm Ruggedized Fan Staggered 100mm
E = 3mm Ruggedized Fan Staggered 150mm
* 5mm tail only for Single MTP Connector End

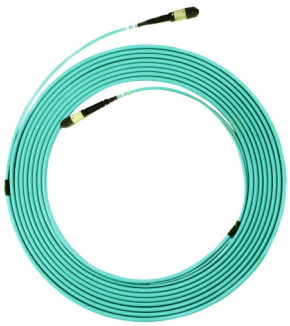
**Glands and Pulling Eye**
U = No gland, pulling eye at MTP end
V = No gland, pulling eye at X end
Z = No gland, no pulling eye
Y = Gland and pulling eye at MTP end
T = Gland at MTP end,pulling eye at X end
S = Gland at MTP end, no pulling eye
X = Gland at X end, pulling eye at MTP end
G = Gland and pulling eye at X end
F = Gland at X end, no pulling eye
W = Gland at both ends, pulling eye at MTP end
B = Gland at both ends, pulling eye at X end
C = Gland at both ends, no pulling eye
A = Gland at both ends, pulling eye at both ends
*Gland = M20 default, Gland O.D dependent upon cable O.D

**Sheath Color**
0 = Default Color:
OM1 = Orange
OM2 = Gray
OM3 = Aqua
OM4 = Erika Violet (LS0H)
OM4 = Aqua(Plenum&PVC)
OM5 = Lime Green
OS1a/2 = Yellow
A = Aqua
B = Blue
C = Red
D = Black
E = DK Gray
J = Green
K = Yellow
N = Orange
P = Pink
S = Salmon Pink
U = Purple
V = Erika Violet
W = White

**Length (meters)**
001 = 1m
00A =0.5m
00B =1.5m
00C =2.5m
00D =3.5m
00E =4.5m

**Sheath Type**
A = LS0H
B = Bca LS0H
C = Cca LS0H
E = Eca LS0H
F = Fca LS0H
R = OFNR
P = OFNP

| Order No. | SAP No. | Description |
|---|---|---|
| 9MAABCCDEEFFGHIIIJ | Consult Molex | MTP-MTP Pre-Terminated Multicore Cable Assemblies |



# Pre-Terminated Solutions ModLink
# Fiber Plug and Play

**MPO-MPO Pre-Terminated Multicore Cable Assemblies**

Molex Pre-Terminated Multicore Fiber Optic Cable Assemblies offer premium factory-controlled optical performance on a variety of connectors that enable fast, economical installation. They are ideal for mission-critical backbone applications such as Data Center tie cables and low optical loss backbone riser cables.

- Available in Low Loss OS1/2, OM3 and OM4 or standard Loss available OS1/2, OM1, OM2, OM3 and OM4
- 12 and 24 cores standard (high core counts up to 144 fibers available)
- 2mm ruggedized tails and 900µm tails available
- Customized Tail Length and Configuration options available
- LS0H and OFNP cable jacket
- ROHS Compliant
- Ideal for: Internal short optical links, Front panel/equipment connections, Data center infrastructure, Storage Area Network (SAN)
- Part number generator, F.O. Configurator – MTP/X cable assemblies is available on Molex Customer Support Portal: csp.molex.com.

**8 M A A B C C D E E F F G H I I I J**

**Family**

**Fiber Count**
**8-99**
AX = 100-109
BX = 110-119
CX = 120-129
DX = 130-139
EX = 140-144*
Like 144F=E4

**Polarity**
A = Method A
B = Method B
C = Method C*
D = Method D**

**Connector Type for End A & End B**
A = 12 Fiber Low Loss Male
B = 12 Fiber Low Loss Female
C = 12 Fiber Std Loss Male
D = 12 Fiber Std Loss Female
J = 8 Fiber Low Loss Male
K = 8 Fiber Low Loss Female
L = 8 Fiber Std Loss Male
M= 8 Fiber Std Loss Female
1 = 24 Fiber Low Loss Male
2 = 24 Fiber Low Loss Female
3 = 24 Fiber Std Loss Male
4 = 24 Fiber Std Loss Female

**Fiber Type**
1 = OM1
2 = OM2
3 = OM3
4 = OM4
5 = OM5
8 = OS1/2
9 = G.657A2

**Tail Length for End A & End B**
0 = 0m##
1 = 1m
2 = 2m
3 = 3m
A = 4.5m
B = 0.5m

**Tail Configuration, End A & End B**
A = 3mm/5mm Ruggedized Even#
B = 3mm Ruggedized Fan Staggered 30mm
C = 3mm Ruggedized Fan Staggered 50mm
D = 3mm Ruggedized Fan Staggered 100mm
E = 3mm Ruggedized Fan Staggered 150mm

**Glands and Pulling Eye**
U = No gland, pulling eye at MPO end
V = No gland, pulling eye at X end
Z = No gland, no pulling eye
Y = Gland and pulling eye at MPO end
T = Gland at MPO end,pulling eye at X end
S = Gland at MPO end, no pulling eye
X = Gland at X end, pulling eye at MPO end
G = Gland and pulling eye at X end
F = Gland at X end, no pulling eye
W = Gland at both ends, pulling eye at MPO end
B = Gland at both ends, pulling eye at X end
C = Gland at both ends, no pulling eye
A = Gland at both ends, pulling eye at both ends
*Gland = M20 default, Gland O.D dependent upon cable O.D

**Sheath Type**
A = LS0H
B = Bca LS0H
C = Cca LS0H
E = Eca LS0H
F = Fca LS0H
R = OFNR
P = OFNP

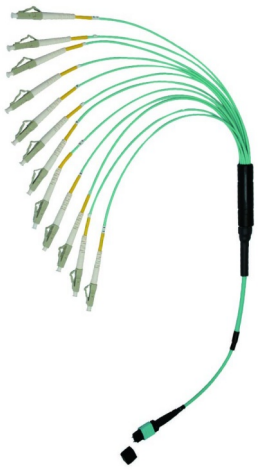
**Length (meters)**
001 = 1m
00A =0.5m
00B =1.5m
00C =2.5m
00D =3.5m
00E =4.5m

**Sheath Color**
0 = Default Color:
OM1 = Orange
OM2 = Gray
OM3 = Aqua
OM4 = Erika Violet (LS0H)
OM4 = Aqua(Plenum&PVC)
OM5 = Lime Green
OS1a/2 = Yellow
A = Aqua
B = Blue
C = Red
D = Black
E = DK Gray
J = Green
K = Yellow
N = Orange
P = Pink
S = Salmon Pink
U = Purple
V = Erika Violet
W = White

* Only For 12&24F MPO Connector
**Only For 24F MPO Connector
# 5mm tail only for Single MPO Connector End
##0 only for single MPO Connector end

| Order No. | SAP No. | Description |
|---|---|---|
| 8MAABCCDEEFFIIIJ | Consult Molex | MPO-MPO Pre-Terminated Multicore Cable Assemblies |

# Pre-Terminated Solutions ModLink
# Fiber Plug and Play



**Hybrid Pre-Terminated Cable Assemblies --**

Molex Pre-Terminated Fiber Optic Cable Assemblies offer premium factory-controlled optical performance on a variety of connectors that enable fast, economical installation. Pre-Terminated Cable Assemblies are ideal for mission-critical backbone applications such as data center tie cables and low optical loss backbone riser cables.

- Available in: Low Loss: OS1a/2, OM3/4/5 Standard Loss: OS1a/2, OM1/2/3/4/5
- 8-144 core count available with 8, 12 or 24 cores MTP connector
- 2mm ruggedized tails and 900µm tails available
- Customized Tail Length and Configuration options available
- LS0H and OFNP cable jacket
- Ideal for: Internal short optical links Front panel/equipment connections Data center infrastructure Storage Area Network (SAN)
- Available with MTP or MPO connector types
- Part number generator, F.O. Configurator – MTP/X cable assemblies is available on Molex Customer Support Portal: csp.molex.com.

Part No. Matrix - Substitute the correct code number or letter to determine the assembly construction

**9 H A A A B C D E E F F G H I I I J**

**Hybrid OF MTP- X Cables**

**8-144 Core Count**

**MTP Side Connector**
A = 12 Fiber Low Loss Male
B = 12 Fiber Low Loss Female
C = 12 Fiber Std Loss Male
D = 12 Fiber Std Loss Female
1 = 24 Fiber Low Loss Male
2 = 24 Fiber Low Loss Female
3 = 24 Fiber Std Loss Male
4 = 24 Fiber Std Loss Female
J = 8 Fiber Low Loss Male
K = 8 Fiber Low Loss Female
L = 8 Fiber Std Loss Male
M= 8 Fiber Std Loss Female

**Side Connector**
0 = No Connector
1 = ST
3 = SC Simplex
9 = SC Duplex
C = SC/ACP
F = FC
G = FC/APC
L = LC Simplex
D = LC Duplex
M = Uniboot LC
N = LC/APC
D = LC Duplex
P = LC Duplex LL
Q = LC Simplex LL
R = SC Simplex LL
S = SC Duplex LL
T= ST LL
V= FC LL

**Tail configuration at MTP end*/X end**
0 = 900u Fan Unstaggered
1 = 900u Fan Staggered 30mm
2 = 900u Fan Staggered 50mm
3 = 900u Fan Staggered 100mm
4 = 900u Fan Staggered 150mm
A = 2/3/5* mm Fan Unstaggered
B = 2/3* mm Fan Staggered 30mm
C = 2/3* mm Fan Staggered 50mm
D = 2/3* mm Fan Staggered 100mm
E = 2/3* mm Fan Staggered 150mm
*: MTP end 3mm, Fanout end 2mm, 5mm for single MTP end

**Fiber Type**
1 = OM1
2 = OM2
3 = OM3
4 = OM4
5 = OM5
8 = OS1a/2
9 = G.657A2

**Tail length at MTP end/X end**
0 = 0m*
1 = 1m
2 = 2m
3 = 3m
A = 4.5m**
B = 0.5m
*:"0" only for MTP end with single MTP connector; for X end "0" is not an option; for multi MTP connectors can not use "0" **: "A" only for MTP end

**Glands and Pulling Eye**
U = No gland, pulling eye at MTP end
V = No gland, pulling eye at X end
Z = No gland, no pulling eye
Y = Gland and pulling eye at MTP end
T = Gland at MTP end,pulling eye at X end
S = Gland at MTP end, no pulling eye
X = Gland at X end, pulling eye at MTP end
G = Gland and pulling eye at X end
F = Gland at X end, no pulling eye
W = Gland at both ends, pulling eye at MTP end
B = Gland at both ends, pulling eye at X end
C = Gland at both ends, no pulling eye
A = Gland at both ends, pulling eye at both ends
*Gland = M20 default, Gland O.D dependent upon cable O.D

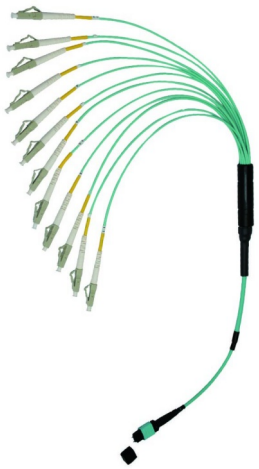
**Length (meters)**
001 = 1m
00A = 0.5m
00B = 1.5m
00C = 2.5m
00D = 3.5m
00E = 4.5m

**Sheath Type**
A = LS0H
B = Bca LS0H
C = Cca LS0H
D = Dca LS0H
E = Eca LS0H
F = Fca LS0H
R = OFNR
P = OFNP

**Sheath Color**
0 = Default Color:
OM1 = Orange
OM2 = Gray
OM3 = Aqua
OM4 = Erika Violet (LS0H)
OM4 = Aqua(Plenum & PVC)
OM5 = Lime Green
OS1a/2 = Yellow
A = Aqua
B = Blue
C = Red
D = Black
E = DK Gray
J = Green
K = Yellow
N = Orange
P = Pink
S = Salmon Pink
U = Purple
V = Erika Violet
W = White

| Order No. | SAP No. | Description |
|---|---|---|
| 9HAAABCDEEFFGHIIIJ | Consult Molex | Hybrid Pre-Terminated Cable Assemblies -- |

# Pre-Terminated Solutions ModLink
# Fiber Plug and Play



**MPO-X Fiber Optic Cable Assembly**

Molex Plug and Play Advanced Fiber Optic Systems offer premium factory-controlled optical performance, enabling flexible system configuration and fast, economical installation. The MPO-X fiber optic cable assembly is ideal for mission critical applications such as Data Centers and Storage Area Networks, applications where fast installation is paramount and environments where moves-adds-changes are frequent or managed in-house.

- Round, flexible outer jacket is easy to bend, route and install
- Available in different sheath types
- Industry-leading low insertion loss MPO connector optional(0.35dB Maximum Insertion Loss for Laser Optimized OM3/4/5 Cables and OS1/2 Cables, 0.1dB Typical)
- Cables available in 8 to 144 fiber constructions
- MPO-X Fiber Optic Cables are 100% tested
- Pulling eyes installed to protect the assembly during installation
- 8/12/24 fiber MPO connector optional
- Female/male MPO connector optional
- Part number generator, F.O. Configurator – MTP/X cable assemblies is available on Molex Customer Support Portal: csp.molex.com.

**8 H A A A B C D E E F F G H I I I J**

**Hybrid OF MPO-X Cables**

**8-144 Core Count**

**MPO Side Connector**
A = 12 Fiber Low Loss Male
B = 12 Fiber Low Loss Female
C = 12 Fiber Std Loss Male
D = 12 Fiber Std Loss Female
1 = 24 Fiber Low Loss Male
2 = 24 Fiber Low Loss Female
3 = 24 Fiber Std Loss Male
4 = 24 Fiber Std Loss Female
J = 8 Fiber Low Loss Male
K = 8 Fiber Low Loss Female
L = 8 Fiber Std Loss Male
M= 8 Fiber Std Loss Female

**Fiber Type**
1 = OM1
2 = OM2
3 = OM3
4 = OM4
5 = OM5
8 = OS1a/2
9 = G.657A2

**Tail length at MPO end/X end**
0 = 0m*
1 = 1m
2 = 2m
3 = 3m
A = 4.5m**
B = 0.5m

**Length (meters)**
001 = 1m
00A = 0.5m
00B = 1.5m
00C = 2.5m
00D = 3.5m
00E = 4.5m

**Sheath Type**
A = LS0H
B = Bca LS0H
C = Cca LS0H
D = Dca LS0H
E = Eca LS0H
F = Fca LS0H
R = OFNR
P = OFNP

**X Side Connector**
0 = No Connector
1 = ST
3 = SC Simplex
9 = SC Duplex
C = SC/ACP
F = FC
G = FC/APC
L = LC Simplex
D = LC Duplex
M = Uniboot LC
N = LC/APC
D = LC Duplex
P = LC Duplex LL
Q = LC Simplex LL
R = SC Simplex LL
S = SC Duplex LL
T= ST LL
V= FC LL

**Tail configuration at MPO end#/X end**
0 = 900u Fan Unstaggered
1 = 900u Fan Staggered 30mm
2 = 900u Fan Staggered 50mm
3 = 900u Fan Staggered 100mm
4 = 900u Fan Staggered 150mm
A = 2/3/5# mm Fan Unstaggered
B = 2/3# mm Fan Staggered 30mm
C = 2/3# mm Fan Staggered 50mm
D = 2/3# mm Fan Staggered 100mm
E = 2/3# mm Fan Staggered 150mm

**Glands## and Pulling Eye**
U = No gland, pulling eye at MPO end
V = No gland, pulling eye at X end
Z = No gland, no pulling eye
Y = Gland and pulling eye at MPO end
T = Gland at MPO end,pulling eye at X end
S = Gland at MPO end, no pulling eye
X = Gland at X end, pulling eye at MPO end
G = Gland and pulling eye at X end
F = Gland at X end, no pulling eye
W = Gland at both ends, pulling eye at MPO end
B = Gland at both ends, pulling eye at X end
C = Gland at both ends, no pulling eye
A = Gland at both ends, pulling eye at both ends

**Sheath Color**
0 = Default Color:
OM1 = Orange
OM2 = Gray
OM3 = Aqua
OM4 = Erika Violet (LS0H)
OM4 = Aqua(Plenum & PVC)
OM5 = Lime Green
OS1a/2 = Yellow
A = Aqua
B = Blue
C = Red
D = Black
E = DK Gray
J = Green
K = Yellow
N = Orange
P = Pink
S = Salmon Pink
U = Purple
V = Erika Violet
W = White

*:"0" only for MPO end with single MPO connector; for X end "0" is not an option; for multi MPO connectors can not use "0"
**: "A" only for MPO end
#: MPO end 3mm, Fanout end 2mm, 5mm for single MPO end
##Gland = M20 default, Gland O.D dependent upon cable O.D

| Order No. | SAP No. | Description |
|---|---|---|
| 8HAAABCDEEFFGHIIIJ | Consult Molex | MPO-X Fiber Optic Cable Assembly |

# Last mile challenges ›

**Increasing demand for rapid, low-latency and high-volume communication to homes and businesses has made information distribution and delivery increasingly important.**

**Millions of users expecting economical high-speed connectivity represent an opportunity for operators. Passive Optical Networks (PONs) can offer a solution to these challenges.**

# Passive Optical Networks (PON)

### Easily Scalable

Both active and passive optical networks can require electronic upgrades, but unlike active Ethernet, no upgrades are needed outside the plant. This makes it an easily scalable solution.

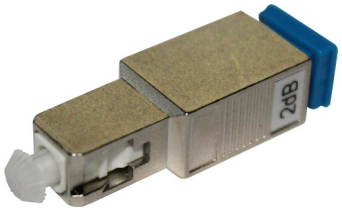
### Superior Performance

Molex has a long track record of providing many of the highest performing products in the market. We deliver end-to-end solutions for next-generation optical infrastructure networks.

### Design Flexibility

Molex PON products are designed on a universal platform that supports both traditional and passive networks. Network architecture can be updated without changing platforms.

# Fiber Optic Solution Lightband
# Passive Optical Networks



**Attenuator**

Molex CES Fixed Attenuator family offers excellent performance with variously fixed attenuation values for industrial standard connectors. With wide operation range, low return loss, polarization insensitive and reliable, providing flexible in the PON application.

- Wide attenuation range
- Low return loss
- Polarization Insensitive
- Various connector type
- Part number generator, F.O. Configurator - PON Attenuator is available on Molex Customer Support Portal: csp.molex.com.

**F O T A - A B C D D**

**Family - FOTA**

**Connector type**
L = LC
S = SC

**Polishing / Color**
1 = UPC/Blue
2 = APC/Green

**Wavelength**
1=1310&1550(G.652&G.653)

**Attenuation Value (dB)**
Value=1 to 25

Other specifications can be made on customer request

| Order No. | SAP No. | Description |
|---|---|---|
| FOTA-ABCDD | Consult Molex | Attenuator |

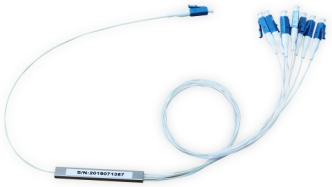
**Modular Splitter Box**

Modular Splitter Box is a component that splits the optical light power from one route into different routes. Molex Modular PLC Splitter Box offers premium factory controlled optical performance on a variety of connectors that enable fast, economical installation.

- Wide Operating Wavelength Range: 1260-1650nm
- Low PDL
- Low Insertion Loss
- Excellent Channel IL Uniformity
- Compact Size
- 6-PAK footprint, compatible with Molex CES existing platform

| Order No. | SAP No. | Description |
|---|---|---|
| FSA-00055 | 183670001 | Splitter Box 1 X 8 SC SM Low Loss |
| FSA-00056 | 183670002 | Splitter Box 2Pcs 1 X 8 LC SM Low Loss |
| FSA-00057 | 183670003 | Splitter Box 1 X 8 SC GRN APC SM Low Loss |
| FSA-00058 | 183670004 | Splitter Box 2Pcs 1 X 8 LC GRN APC SM Low Loss |

# Fiber Optic Solution Lightband Passive Optical Networks



**PLC Splitter**

PLC Splitter is a component that splits the optical light power from one route into different routes. Molex PLC Splitter offers premium factory controlled optical performance on a variety of connectors that enable fast, economical installation.

- Wide operating wavelength range: 1260-1650nm
- Low PDL
- Low Insertion Loss
- Excellent channel IL uniformity
- Compact size
- High stability and reliability
- Part number generator, F.O. Configurator - PLC Splitter is available on Molex Customer Support Portal: csp.molex.com.

**M P L C X X X X X X X X X X**

**Family - MPLC**

**Type**
1 = 1 x 2
2 = 1 x 4
3 = 1 x 8
4 = 1 x 16
5 = 1 x 32
6 = 1 x 64
A = 2X4
B = 2X8
C = 2X16
D = 2X32
E = 2X64

**A End Connector**
0= None
L= LC/UPC
N = LC/APC
3= SC/UPC
C= SC/APC

**B End Connector**
0 = None
L = LC/UPC
N = LC/APC
3 = SC/UPC
C = SC/APC

**Jacket Material**
1= PVC
2= LS0H
3= Plenum

**A End Tail**
1 = 250µm Simplex
2 = 900µm Simplex
3 = 2.0mm Simplex

**A End Tail Length**
B = 0.5m
1 = 1 m
C = 1.5m
2 = 2m

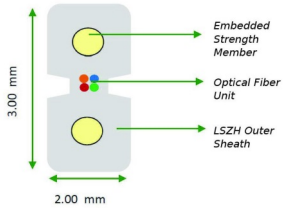
**B End Tail**
1 = 250µm Simplex
2 = 900µm Simplex
3 = 2.0mm Simplex

**B End Tail Length**
B = 0.5m
1 = 1m
C = 1.5m
2 = 2m

**Jacket Color**
0 = Default Color:
SM = White
A = Aqua
B = Blue
C = Red
E = Dk Gray
F = Brown
G = Lime Green
J = Green
L = Beige
N = Orange
P = Pink
S = Salmon Pink
U = Purple

**Polish**
0 = Standard loss
L = Low loss

| Order No. | SAP No. | Description |
|---|---|---|
| MPLCXXXXXXXXX | Consult Molex | PLC Splitter |



**1-4 Fiber All Dielectric 250µm FTTH Flat Drop Cable**

The Molex All Dielectric Flat Drop Cable consists of 1-4 250µm individually colored optical fibers with fiber reinforced plastic (FRP) strength members and Low Smoke Zero Halogen (LS0H) jacket.

- Choice of fiber types
- Individually colored optical fibers
- Notched construction for easy stripping
- White LS0H jacket for internal use
- Internal FTTH applications - horizontal and riser

**AFO DI XXX XXX X X-X**

**Family**

**Cable Type**
DI = Indoor Flat Drop Cable

**No. Fibers**
XXX*-X Fiber
001 -1 Fiber
002 - 2 Fiber
004 - 4 Fiber

**Fiber Type**
NBI = OS1/2 (SM) non-BI (LS0H)
OM3 = OM3
OM4 = OM4
OM2 = OM2
OM1 = OM1
7A1 = Singlemode (G657.A1)
7A2 = Singlemode (G657.A2)
OS2 = Singlemode (LS0H G652 D)

**Jacket Material**
1 = PVC
2 = LS0H
3 = Plenum

**Jacket Color:**
0 = Default
OM1 = MM Orange
OM2 = MM Gray
OM3 = MM Aqua
OM4 = MM Erika Violet (LS0H)
OM4 = MM Aqua (Plenum)
OM4 = MM Aqua (PVC)
SM = Yellow

**Special Code**
Blank = Default (none)
I = Only applicable for India supply
Applicable to EU cables only:
A = Aca
B = Bca
C = Cca
D = Dca
E = Eca
F = Fca

e.g. 1 Fiber Indoor FTTH Flat Drop Cable, G657A1, LS0H = AFODI0017A120

| Order No. | SAP No. | Description |
|---|---|---|
| AFODI XXX XXX X X-X | Consult Molex | 1 Fiber All Dielectric 250µm FTTH Flat Drop Cable |

# Fiber Optic Solution Lightband Passive Optical Networks

### Wall-Mounted Steel Enclosure

This secure wall-mounted steel enclosure has 12 ports that can accomodate 24 fiber DSC/48 fiber QLC in a minimum of space. Its design guarantees that all of the media will be protected and proper fiber bend radius is maintained.

- Up to 48 fibers
- Accepts SC Duplex and Quad LC Adapters
- Fully secured with lockable and secured steel doors
- Comes with multiple cable entries on the top and bottom for ease of cabling
- Protected front labeling feature for additional panel or port identification
- Robust cable management shelf ensures bend radius compliance
- Global hardware kit included
- Supports FTTX application
- Suitable for use as a transition box, enabling the transition of up to 72 cores of fiber (via splicing only), from outdoor type fiber to indoor type fiber

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00069 | 180970157 | Enclosure Wallmount 24DSC Fiber Box, Adapter&Pigtail Loaded, SM, OS2 |
| WFR-00070 | 180970158 | Enclosure Wallmount 48QLC Fiber Box, Adapter & Pigtail Loaded, SM, OS2 |
| WFR-00066 | 180970139 | Enclosure Wallmount 2/16P Simplex SC/Duplex LC Unloaded FTTX Fiber Box |
| WFR-00068 | 180970142 | Enclosure Wallmount Splitter Box Unloaded FTTX |

WFR-00065
Page 59

### Dome Outdoor Fiber Optic Splice Enclosure

Molex CES dome type outdoor fiber optic splice enclosure used for optical fiber cable splicing and protection in outdoor environment. With wide capability range from 48 to 576 fibers, IP68 protection.

- Wide capability range 12-576 fibers
- Various choice based on fiber counts
- IP68 protection
- Compact size
- High reliable
- Wall Mount, aerial hanger or pole hold

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00073 | 180970159 | 120 Fiber Dome Outdoor Fiber Optic Splice Enclosure |
| WFR-00074 | 180970160 | 144 Fiber Dome Outdoor Fiber Optic Splice Enclosure |
| WFR-00077 | 180970163 | 288 Fiber Dome Outdoor Fiber Optic Splice Enclosure |
| WFR-00078 | 180970164 | 48 Fiber Dome Outdoor Fiber Optic Splice Enclosure |
| WFR-00079 | 180970166 | 576 Fiber Dome Outdoor Fiber Optic Splice Enclosure |

### In-Line Type Outdoor Fiber Optic Splice Enclosure

Molex CES In-Line type outdoor fiber optic splice enclosure used for optical fiber cable splicing and protection in outdoor environment. Wide capability range from 12 to 120 fibers, IP65 protection.

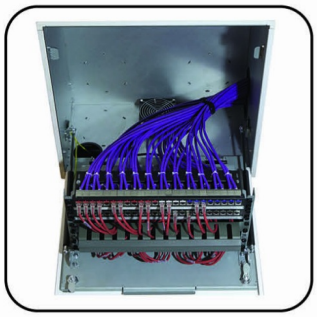
- Wide capability range 12-120 fibers
- Various choice based on fiber counts
- IP65 protection
- Compact size
- High reliable
- Wall mount or aerial hanger

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00075 | 180970161 | 48 Fiber In-Line Outdoor Fiber Optic Splice Enclosure |
| WFR-00076 | 180970162 | 120 Fiber In-Line Outdoor Fiber Optic Splice Enclosure |

# Flexibility in the work area ›

**A zone cabling architecture provides flexibility and scalability to network cabling designs. In high churn, constantly evolving open offices, education facilities, auditoria or multi-tenancy workplaces, this approach optimizes space, provides floor level MACs and enables easier location, management and maintenance of the network cabling system.**

# Zone Enclosures & Consolidation Points



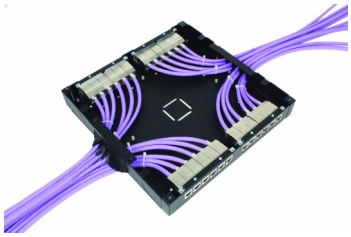
### In-Ceiling Enclosures

Robust and versatile products designed to house passive and active network equipment in a conveniently located, drop/ suspended ceiling space to service a local work area or zone.

### Under-Floor Enclosures

Easy-access multi-media enclosures which accommodate up to 24 copper ports, 48 fiber splices or 96 MTP/MPO fibers.

# Zone Enclosures



Adapter Plates
Page 48

**Zone Enclosure for Raised / Access Floor Installations**

An easy-access multi-media Zone Enclosure which accommodates up to 24 copper ports, 48 fiber splices or 96 MTP/MPO fibers, designed for raised/access floor zone cabling installations. A cost-effective, robust and versatile product designed to support in moves, adds and changes in frequently changing enterprise and education environments.

- Designed specifically for 600mm x 600mm or 2ft x 2ft raised / access floor grid installations
- Interchangeable mounting plates for copper or fiber installation options
- Chassis features cable-tie anchor points for correct routing and securing of cable
- Top access cover plate offers convenient copper bundle handling with brush strip protection for dust and debris ingress reduction

| Order No. | SAP No. | Description |
|---|---|---|
| CPT-00054 | 180080086 | Zone Enclosure Chassis (unloaded) with cover, black |
| CPT-00056 | 180080089 | Cable Management Plate with brush strip and fiber cable apertures, black |
| CPT-00057 | 180080090 | 12 Port DataGate Jack Plate unloaded, black |
| CPT-00058 | 180080091 | 2 Aperture Carrier Plate, unloaded, black (accepting 2x12F Loaded Adapter Plates, supplied separately) |
| **Accessories** | | |
| AFR-00470 | 180600217 | Universal Splice Tray, 24 Fiber with built in Cable Management, 1U Global Enclosure (Self Adhesive, 2 x 12F trays per pack) |
| KFR-00053 | 182680049 | Self-Adhesive Cable Management Hub (2 pcs), Black |
| KFR-00052 | 182680048 | Fusion Splice Holder 24 Fiber |

**Zone Enclosure for In-Ceiling Installations**

The In-Ceiling Zone Enclosure is a robust, and versatile product designed to house passive and active network equipment in a conveniently located, drop/suspended ceiling space to service a local work area or zone. The product sits flush in a 600mm x 600mm/2ft x 2ft drop/suspended ceiling grid. The locking outer door allows access to the pull-down network equipment platform.

- Accommodates up to 48 copper ports or up to 96 fiber splices or MTP/MPO fibers and active equipment
- Manufactured from aluminum with a steel network platform. The access door is finished in white powder coat
- Lockable for network equipment security
- Network equipment platform incudes 19” equipment mounting rails, allowing 5U of capacity including an integral cable management plate for the support of incoming and outgoing cable bundles
- Can accommodate a fan unit for efficient cooling. Fan unit supplied separately

| Order No. | SAP No. | Description |
|---|---|---|
| CPT-00055 | 18008088 | In-Ceiling Zone Enclosure |
| **Accessories** | | |
| RAA-F-1W | 181040122 | Fan Unit 230V |
| RAA-00392 | 180150013 | Fan Unit 115V (UL certified) |
| CMA-00113 | 180150012 | Spare Key (1) |
| CMA-00114 | 180140065 | Cable Entry Grommets (Pk of 4) |
| CMA-00115 | 180140066 | Spare Fabric Filters (Pk of 3) |

# Wiring closet management ›

**Cable Management is an important part of any installation. Combining aesthetics with functionality, the Molex range of rack mountable cable management products offer cable management with minimal effort, ensuring long term manageability of the wiring closet.**

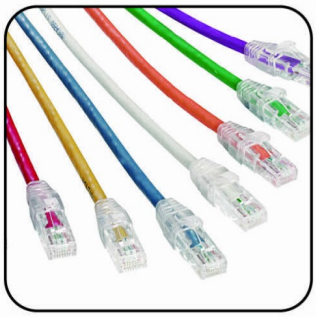
# Cable Management Solutions

**Robust Construction**

Robust construction to ensure durability even under harsh treatment.

**Flexibility**

Available in different ring sizes for different cable densities. Flexible rings for convenient operation.



**High Density Patching**

Designed to manage high-volume, high density patching. 1U and 2U versions available.

# Cable Management Solutions

### Ring Run Panels

Keeping server racks & patch cabinets tidy & manageable is made easier with cable management bars & rings.

- Available in various ring sizes for different cable densities
- Standard 19” rack mount 1U and 2U panels
- Styling complements Molex Patch Panel range
- Robust construction to handle harsh treatment
- Flexible rings for convenient operation
- Rounded edges to prevent damage to patch cords

| Order No. | SAP No. | Description |
|---|---|---|
| 25.B016G | 180320002 | Ring Run |
| 25.B035G | 180320007 | Deep Ring Run |
| 25.B018G | Consult Molex | Blank Panels |
| 25.A029-04 | Consult Molex | Brush Tidy Cable Management Panel - Black* |
| 25.C001G | Consult Molex | Panel 1U with cover |

* Available in Metric and Imperial fixings. Consult Molex to order

### Horizontal Ring Run with Hinged Cover

The Horizontal Ring Run with Hinged Cover is designed to manage high-volume, high-density patching, providing a neat and tidy finish.

- Designed to manage high-volume, high density patching
- Flexible finger guides protect the cables entering and exiting the ring run panels
- 1U and 2U versions available

| Order No. | SAP No. | Description |
|---|---|---|
| CMA-00085 | 181050006 | 1U Horizontal Cable Manager |
| CMA-00087 | 181050008 | 2U Horizontal Cable Manager |

### 2U Horizontal Cable Management Panels

Cable Management Panels provide cable dressing during installation or changes and provide an organized format for system maintenance. Panels are comprised of black Lexan rings mounted on graphite grey powdercoat panels and include mounting screws and washers.

- Available in various ring sizes for different cable densities
- Standard 19" rack mount 1U and 2U panels
- Styling complements Molex Patch Panel range
- Robust construction to handle harsh treatment
- Flexible rings for convenient operation
- Rounded edges to prevent damage to patch cords

| Order No. | SAP No. | Description |
|---|---|---|
| 25.B058G | 180320008 | Recessed Double Density Ring Run Panel, 2U |

### Cable Management Rings

Cable Management Rings are designed to speed cable dressing during an installation or change and to provide an organized format for system maintenance.

- Side & Rear management rings available
- Provides vertical cable management on a rack or wall
- Plastic Rings: Black Lexan 943A-701
- Metal Rings: 1/4" Steel rod with black powdercoat

| Order No. | SAP No. | Description |
|---|---|---|
| 25.B0284 | 180310014 | 1U Side Ring |
| 25.B0364 | 180310015 | 1U Side Ring Deep |
| 25.B0424 | 180310017 | 2U Side Ring |
| 25.C0015B | Consult Molex | Double Density Cable Management Ring |

# Multi-media connectivity ›

**Additional solutions from Molex to enhance your connectivity, providing voice termination cabling to multi-media audio & video modules. These flexible products enable you to cost-effectively deliver multi-media connectivity to your office or campus.**

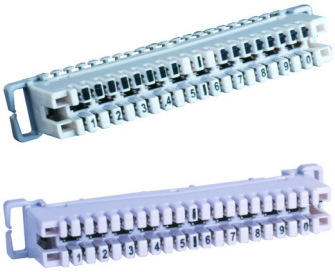
# Additional Solutions

## Outlet Configurations

With a vast range of outlet mounting platforms that cover C5e, C6, C6A and audio/visual as well as optical fiber, Molex is able to deliver an integrated communications suite.

## Voice

A range of products to allow the termination of dedicated voice cabling in a structured cabling environment. The range includes 50 Port Voice panels, Telco Panels and Line Adapter Units.



### Disconnect and Connection Modules

Both disconnect and connection type modules are available for all voice applications, markets and regulatory requirements. The modules accommodate up to 10 pairs in a small footprint, enabling high density interconnection facilities.

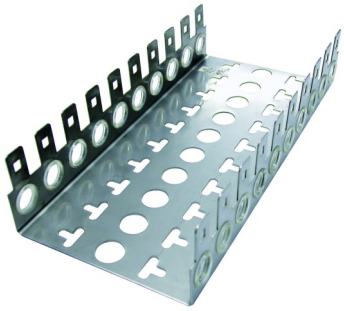
- Distribution of voice applications
- Module is available in disconnect and connection formats
- Standard 45° IDC contact
- Versatile can be used in indoor or outdoor applications
- Accepts cable diameter 0.4mm to 0.8mm
- Accommodates two wires
- Accepts KATT or LSA+ IDC tools
- RoHS Compliant

| Order No. | SAP No. | Description |
|---|---|---|
| DCN-00001P | 182030022 | 10 Pair Disconnect Module Clip On |

### Mounting Frames

A number of different size wall mount frames are available to accommodate the modules to suit a variety of application and environments. The frames accommodate modules, over-voltage protection and labeling equipment for a complete system.

- Available in 30, 50, 100, 270, 552/690 Pair Back mount and Clip On configurations
- Stainless steel construction
- Modules mount directly onto frame
- Label holder available separately
- Dust covers available separately
- Suitable for wall or cabinet installations
- RoHS Compliant



| Order No. | SAP No. | Description |
|---|---|---|
| DCN-00003 | 182030003 | 30 Pair Jumperable Backmount Frame |
| DCN-00004 | 182030004 | 50 Pair Jumperable Backmount Frame |
| DCN-00005 | 182030005 | 100 Pair Jumperable Backmount Frame |
| DCN-00083 | Consult Molex | 11 Way Jumperable Clip On Frame |
| DCN-00084 | Consult Molex | 27 Way Jumperable Clip On Frame |
| DCN-00085 | Consult Molex | 11 Way Jumperable Backmount Frame |
| DCN-00086 | Consult Molex | 27 Way Jumperable Backmount Frame |
| **Accessories** | | |
| DCN-00008 | 182030018 | Label Holder for Back Mount frame |
| DCN-00013 | 182030013 | Dust Cover (for use with 100 pair Back Mount Frame without gas arrestor magazine) |
| DCN-00019 | 182030019 | Dust Cover (for use with 100 pair Back Mount Frame with gas arrestor magazine) |
| DCN-00102 | Consult Molex | 11 Way Clipable Cover |
| DCN-00103 | Consult Molex | 27 Way Clipable Cover |

### Category 5 UTP Cable

Molex Category 5 cable has been designed to support Telephony Voice Wiring applications. The cable has been designed and tested in accordance with EIA/TIA568A & ISO 11801 standards.

- Supports telephony voice wiring applications
- 25 pair Cable
- PVC Sheath or LS0H sheaths
- Color coded pairs for ease of termination

| Order No. | SAP No. | Description |
|---|---|---|
| 95.C090 | Consult Molex | 25 Pair Category 5 UTP Cable, 24 AWG, PVC, Gray, 500m |

### Category 3 Multi-pair U/UTP Cable

Molex 25, 50 and 100 pair Category 3 cable has been designed to support telephony voice wiring applications. The cable has been designed and tested in accordance with UL 444, EIA/TIA568 & ISO/IEC 11801 standards.

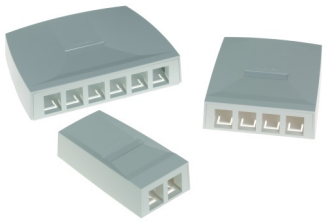
- Supports telephony voice wiring applications
- 25, 50 and 100 pair Cable
- LS0H Sheaths
- color coded pairs for ease of termination
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria

| Order No. | SAP No. | Description |
|---|---|---|
| CAA-00380 | Consult Molex | Category 3 25 Pair LS0H Eca cable - per meter |
| CAA-00382 | Consult Molex | Category 3 50 Pair LS0H Eca cable - per meter |

# Outlet Configuration Solutions

### Synergy Wallplates

Other Colors: -01 Almond, -05 Ivory Dimensions: Single Gang - 120mm H x 70mm W x 11mm D (4.72” H x 2.76” W x 0.43” D), Double Gang - 120.7mm H x 117.5mm W x 10.9mm D (4.75” H x 4.63” W x 0.43” D) Shipping Weight: Plates (Box of 50) - 1.4kg (2.20 lbs)



### Synergy Surface Mount Box

The PowerCat Synergy Surface Box is ideal for use in open office cabling. The 2, 4 and 6 port boxes are supplied unloaded and accept the DataGate Jack and Synergy Single Position Modules. The single port versions ship loaded with the DataGate Jack. Synergy Surface Boxes offer simple and organized installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box. Individual ports can also be color coded for site-specific network administration using connector icon labels.

- Stylish design
- Simple, organized cable entry and installation
- Screw fixing
- Clear and concise labeling
- DataGate Jack & Synergy Module compatible

DataGate Jacks
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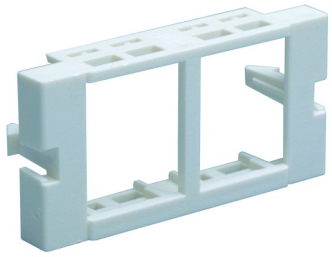
| Order No. | SAP No. | Description |
|---|---|---|
| SSY-00014-02 | 181340013 | PowerCat 2 Port Synergy Surface Box, Unloaded - White |
| SSY-00015-02 | 181340016 | PowerCat 4 Port Synergy Surface Box, Unloaded - White |
| SSY-00016-02 | 181340019 | PowerCat 6 Port Synergy Surface Box, Unloaded - White |
| SBX-00009-02 | 182950000 | PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded) |
| SBX-00005-02 | 181770326 | PowerCat 6 1 Port Synergy Surface Box RJ45 UTP White (loaded) |
| SBX-00006-02 | 18338002 | PowerCat 5e 1 Port Synergy Surface Box RJ45 UTP White (loaded) |



### USO II Bezel

The USO II Bezels and corresponding modules are part of a complete line of office outlets and rack mount products. The bezels are constructed of ABS plastic, are available in four colors, and house a variety of RJ, RCA, Dtype, coax, and fiber optic modules. Each bezel comes with mounting screws, clear label holder(s), and color matched screw covers and are available with either alphabetic icons (A-F) or telcom icons (phone, fax, etc.)

- Single and double port bezels available
- Fascia - 25mm x 50mm x 6mm
- Flexible and versatile method of installation
- Accommodates DataGate jacks
- Accommodates SC, LC, ST and MT-RJ single and dual bezel fiber modules
- Accommodates Media Configurable modules
- Five colors available

DataGate Jacks
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| Order No. | SAP No. | Description |
|---|---|---|
| MUS-00057-0* | Consult Molex | USO II Single Port Fascia - Unloaded (bag of 25) |
| MUS-00058-0* | Consult Molex | USO II Double Port Fascia - Unloaded (bag of 25) |
| MUS-00185-0* | Consult Molex | USO II Module Blank (bag of 20) |

* Color Options - 1 = Almond, 2 = White, 4 = Black, 5 = Ivory, 8 = Light Gray

### Contura Wallplate

The Molex modular wall outlet range Contura was designed to combine aesthetics with functionality and to support a growing requirement for shielded cabling systems. The contemporary design of the products is ideal for the modern office and provides the user with the flexibility of installing as many modules as required.

- Single Gang Wallplate: 86mm x 86mm
- Double Gang Wallplate: 86mm x 145mm
- Available in white only
- Flexible and versatile method of installation
- Accommodates Contura modules

| Order No. | SAP No. | Description |
|---|---|---|
| WGB-00001-02 | 181770083 | Contura Single Gang Wallplate (includes grid plate), White - Unloaded |
| WGB-00002-02 | 181770084 | Contura Double Gang Wallplate (includes grid plate), White - Unloaded |
| MGB-00002-02 | 181770216 | Contura Blank Module - White |

# Outlet Configuration Solutions

### Euromod Wallplates

The Euromod wallplate system provides a flexible and versatile method of installation. Available in single and doublegang versions.

- Available in white only
- Flexible and versatile method of installation
- Available with or without labeling facility
- Accommodates Euromod modules
- Three Port 71mm x 114mm aperture size
- Single Gang 50mm x 50mm aperture size
- Double Gang 50mm x 100mm aperture size
- Low profile design

Euromod Modules Page 15

| Order No. | SAP No. | Description |
|---|---|---|
| 17-0111-02 | 181390001 | Euromod Single Gang Wall Plate(with label facility) 86 x 86mm White |
| 17-0112-02 | 181390002 | Euromod Double Gang Wall Plate (with label facility) 86 x 145mm White |
| 17-0412-02 | 180060060 | Euromod Quarter (12.5 x 50mm) Blank - White |
| 17-0413-02 | 181370005 | Euromod Half (25 x 50mm) Blank - White |
| 17-0414-02 | 180060062 | Euromod Full (50 x 50mm) Blank - White |
| 17-0101-02 | Consult Molex | Euromod Single Gang Wallplate, 50mm x 50mm, No Labeling Facility |

### MOD-SNAP Wallplates

The MOD-SNAP system of wallplates provides a flexible wall outlet solution allowing the fitment of as many 38.5mm x 22mm MOD-SNAP voice or data outlets as necessary. The single gang wallplate is available with one or two apertures and the double gang wallplate with four apertures. Any combination of voice or data modules can be fitted. In addition a blank module is available to fill in any apertures not currently required in the system, facilitating simple and convenient future expansion. The polished face of these wallplates offers quality finish, ideal for office installations.

- Available in white only
- Flexible and versatile method of installation
- Accommodates MOD-SNAP modules
- Single Gang Wallplate: 50mm x 50mm
- Double Gang Wallplate: 50mm x 100mm

MOD-SNAP Modules Page 15

| Order No. | SAP No. | Description |
|---|---|---|
| MMS-00014-02 | Consult Molex | MOD-SNAP Blank Module - White |
| 42-311-02 | 181400006 | MOD-SNAP Single Gang, Single Aperture, 86mm x 86mm - Unloaded |
| 42-312-02 | 181400005 | MOD-SNAP Single Gang, Double Aperture, 86mm x 86mm - Unloaded |
| 42-314-02 | 181400008 | MOD-SNAP Double Gang, 4 Aperture, 86mm x 146mm - Unloaded |

### MOD-SNAP Keystone Jack Fascia 38.5 x 25mm unloaded

The unloaded MOD-SNAP Keystone Fascia is specifically designed to accept the Molex Keystone Jack product range. The angled design reduces bend cord radius particularly in shallow floor box installations. The fascia is supplied with an integral spring loaded shutter for dust protection and a window labeling facility. The product is compatible with the MOD-SNAP wall plate range. Part numbers of compatible wall plates are shown below.

- Integral spring loaded shutter
- Protected labeling facility
- 38.5 x 25mm angled fascia
- Compatible with Keystone Jacks

| Order No. | SAP No. | Description |
|---|---|---|
| MMS-00020-02 | 181770330 | MOD-SNAP Keystone Jack Fascia, 38.5 x 25mm, unloaded - white |

# Outlet Configuration Solutions

**Euromod Keystone Jack Fascia and Wall Plates Unloaded**

The unloaded Euromod Keystone Fascia is specifically designed to accept the Molex Keystone Jack product range. The angled design reduces bend cord radius particularly in shallow floor box installations. The fascia is supplied with an integral spring loaded shutter for dust protection and a labeling window facility. The white Euromod Keystone Jack fascia is designed to fit into the white single gang (86 x 86mm) and double gang (86 x 145mm) wall plates, which are manufactured from the same color matched material

- Integral spring loaded shutter
- Protected labeling facility
- 25 x 50mm angled fascia
- Compatible with Keystone Jacks
- Matching single and double gang wall plates

| Order No. | SAP No. | Description |
|---|---|---|
| MEU-00071-02 | 181770333 | Euromod Keystone Jack Fascia Wall Plate, Single Gang 86 x 86mm - white |
| MEU-00072-02 | 181770334 | Euromod Keystone Jack Fascia Wall Plate, Double Gang 86 x 1456mm - white |
| MEU-00073-02 | 181770332 | Euromod Keystone Jack Fascia, 25 x 50mm, unloaded - white |
| 17-0231-02 | Consult Molex | Euromod Snap-in Adapter Collar (half) 50mm x 50mm |
| 17-0232-02 | Consult Molex | Euromod Snap-in Adapter Collar (full) 50mm x 50mm |
| 42-311-02 | 181400006 | Single Gang MOD-SNAP 1 Aperture - 86 x 86mm |
| 42-312-02 | 181400005 | Single Gang MOD-SNAP 2 Aperture - 86 x 86mm |
| 42-314-02 | 181400008 | Double Gang MOD-SNAP 4 Aperture - 86 x 146mm |
| 17-0412-02 | 180060060 | Euromod Quarter (12.5 x 50mm) Blank - White |
| 17-0413-02 | 181370005 | Euromod Half (25 x 50mm) Blank - White |
| 17-0414-02 | 180060062 | Euromod Full (50 x 50mm) Blank - White |
| MMS-00014-** | Consult Molex | MOD-SNAP Module Blank |

**DIN 49075 Keystone Jack Fascia & Bezel 2 Port 50 x 50mm unloaded**

The unloaded DIN 49075 2 Port Keystone Fascia is specifically designed to accept the Molex Keystone Jack product range. The angled design reduces bend cord radius. The fascia is supplied with integral shutters for dust protection and a labeling window facility. The fascia includes a 50 x 50mm outer bezel.

- 50 x 50mm angled fascia with bezel
- Integral shutters
- Protected labeling facility
- Compatible with Keystone Jacks

| Order No. | SAP No. | Description |
|---|---|---|
| WNC-00052-02 | 181770335 | DIN 49075 Keystone Jack Fascia 2 Port with Bezel, unloaded - white |

**Keystone Jack Fascia 22.5 x 45mm Unloaded**

The unloaded 22.5 x 45mm Keystone Fascia is specifically designed to accept the Molex Keystone Jack product range. The angled design reduces patch cord bend radius. The fascia is supplied with an integral spring loaded shutter for dust protection and a labeling window facility. The product is compatible with Legrand Mosiac wall plates (not supplied).

- Integral spring loaded shutter
- Protected labeling facility
- 22.5 x 45mm angled fascia
- Compatible with Legrand Mosaic wall plates
- Compatible with Keystone Jacks

| Order No. | SAP No. | Description |
|---|---|---|
| MLG-00037-02 | 181770331 | Keystone Jack Fascia, 22.5 x 45mm, unloaded - white |

**Label Kits**

| Order No. | SAP No. | Description |
|---|---|---|
| 35-X002 | Consult Molex | Label holder and label pack (100) for Euromod/MOD-SNAP C5e |
| 35-X003 | Consult Molex | Label holder and label pack (250) for Euromod Wallplate |
| 35-X004 | Consult Molex | Label holder and label pack (100) for C5e Fixed Wallplates |
| CSP-00031 | Consult Molex | Label holder and label pack (20) for DataGate modules |
| CSP-00038 | Consult Molex | Label holder and label pack (100) for Synergy Wallplates and Surface boxes |

# Media Outlet Solutions

Outlet Configuration Solutions Page 95

### Category 5e Feed Through Adapters

Category 5e Feed through modules are versatile modules for unique applications where pre-connected cables must be mated. 25 x 50mm modules are designed for use within Molex's USO II systems of wallplates.

- Enables line extensions for legacy cabling systems
- 25 x 50mm modules are designed to fit into USO II wallplate systems

| Order No. | SAP No. | Description |
|---|---|---|
| ADA-00003 | 180060065 | Standard Keystone Category 5e 8 wire Feed Through Adapter - Black |
| MUS-00091-02 | 182050038 | 25x50mm Category 5e Dual Feed Through Module - White |
| ADA-00004 | 180060065 | Standard Keystone Category 5e 8 wire Feed Through Adapter - Black |

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### Audio and Video Modules

Audio and Video modules are versatile modules for unique applications where pre-connectorized cables must be mated. Single Position Modules fit into Molex's configurable panels and wallplate systems that accept Molex DataGate Jacks.

- Enables line extensions for legacy cabling systems
- Single Position Modules are designed to fit into Molex's Synergy & USO II system of wallplates and surface blocks

| Order No. | SAP No. | Description |
|---|---|---|
| MSY-00002-0* | Consult Molex | Single Position F Video Module |
| MSY-00032-0* | Consult Molex | Single Position S Video Coupler Module |
| MSY-00036-0* | Consult Molex | Single Position BNC Coupler Module |

* Color Options - 1 = Almond, 2 = White, 5 = Ivory, 4 = Black , 8 = Light Gray

### PowerCat Unloaded DataGate Panels

Molex PowerCat Unloaded DataGate Patch Panels can be configured to provide the exact number of modular ports required. DataGate Category 5e UTP, Category 6 UTP, or Category 6A shielded jacks can be terminated to cable and then snapped into this DataGate patch panel. The patch panel and rear cable manager are constructed of cold-rolled steel for strength and durability.

- Available in 1U 24P Flat, 1U 24P Angled, 2U 48P Flat, 2U 48P Angled
- Easy snap in DataGate UTP or Shielded Jacks (sold separately)
- Modularity provides installation flexibility
- Front portable labeling
- Individually removable patch panel ports
- Removable cable management shelves ensure bend radius compliance
- ANSI and metric hardware kit included
- Grounding screws included

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00258 | 180810031 | PowerCat 24 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 1U - Black |
| PID-00259 | 180810032 | PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U - Black |
| PID-00260 | 180810033 | PowerCat 48 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 2U - Black |
| PID-00261 | 180810034 | PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U - Black |
| KSJ-00005-0* | Consult Molex | Single Position Blank Module (Bag of 25) |

* Color Options - 2 = White, 4 = Black

# Media Outlet Solutions

Keystone Jack
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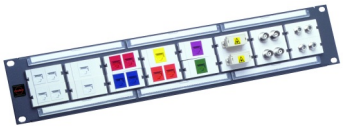
### Keystone Patch Panel

The Molex Keystone panel provides an unloaded panel that can be loaded with the Molex range of Keystone UTP jacks. Keystone patch panels are designed to be loaded with individual jacks allowing for easy maintenance if jacks have to be removed or replaced. Suitable for small installations with the feature of expanding for future upgrades.

- 1U 24 Port
- Standard 19" rack mount
- Unloaded Keystone Aperture
- Universal front labeling system that accepts 13mm commercial labels for a professional appearance
- Accommodates PowerCat 6 and PowerCat UTP Keystone jacks

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00257 | 182960014 | 24 Port Keystone Jack Patch Panel 1U Unloaded - Metric fixing kit |
| PID-00289 | 182960027 | 48 Port Keystone Jack Patch Panel 2U Unloaded - Metric fixing kit |
| KSJ-00064-** | Consult Molex | Keystone Blank |
| CSP-00039 | 181170026 | Spare Fixing Kit for PID-00257 or PID-00289 includes both Metric and Imperial Fittings |

** Color Options: 02 =White, 04 = Black



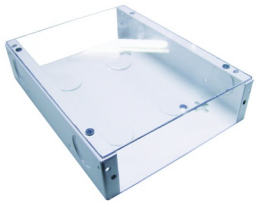
Outlet Configuration Solutions
Page 95

### Universal System Patch Panel (UPS)

The Universal System Patch Panel (USP) is an unloaded panel that can be loaded with data, fiber or coax modules for applications where a variety of media applications are required. These field installable patch panels are designed to be loaded with USO II modules allowing for easy maintenance if jacks have to be removed or replaced. Suitable for small and medium installations with the feature of expanding for future upgrades.

- 1U 24 Port
- 2U 32 Port
- 3U 48 Ports
- Standard 19" rack mount
- Accommodates 25 x 50mm USO II fascias, enabling Category 5e or Category 6 performance
- Accommodates pre-loaded ST, SC, MT-RJ and LC 25 x 50mm fiber modules

| Order No. | SAP No. | Description |
|---|---|---|
| PUS-00008 | 180090005 | 16 Port Universal System Patch Panel - Unloaded, 1U |
| PUS-00009 | 180090006 | 32 Port Universal System Patch Panel - Unloaded, 2U |
| PUS-00010 | 180090007 | 48 Port Universal System Patch Panel - Unloaded, 3U |



### Multimedia Tamper Proof Enclosure

The Multimedia Tamper Proof Enclosure provides a 12 or 24 port to-the-desk solution that can be wall or surface mounted. Available in red or white the security enclosure features internal management rings for excess fiber or copper cabling and 25mm knockout holes for easy vertical or horizontal cable entry. Designed to accept a suite of rear loaded UTP or optical fiber faceplates, the security enclosure has a clear perspex lid and provides a facility for security lugs (sold separately), enabling the user to secure their network.

- Available in 12 and 24 port variants
- Accommodates Molex PowerCat 6 and PowerCat DataGate Jacks
- Accommodates Synergy single Simplex SC, LC, MT-RJ or ST fiber modules
- Low profile for Inconspicuous Network Connecting
- Rear loading jacks to reduce tampering
- Tamper proof clear cover
- Available in various colors

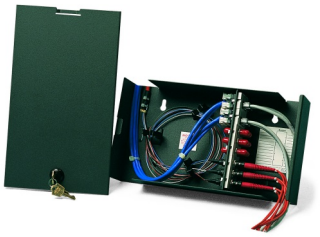
| Order No. | SAP No. | Description |
|---|---|---|
| **Enclosures, Unloaded** | | |
| WFR-00048-** | Consult Molex | 6 Port Multimedia Tamper Proof Enclosure - Unloaded |
| WFR-00054-** | Consult Molex | 24 Port Jack Multimedia Tamper Proof Enclosure - Unloaded |
| WFR-00049-** | Consult Molex | 6 Port Multimedia Tamper Proof Enclosure Faceplate - Unloaded |
| WFR-00051-** | Consult Molex | 12 Port SM/MM Multimedia Tamper Proof Enclosure Faceplate - Unloaded |
| WFR-00055-** | Consult Molex | Adapter Plate Blank |
| **Loaded Adapter Plates - SC Duplex, Shuttered, Riveted** | | |
| WFR-00050-RD-BG | 180970085 | 12F Faceplate - Duplex OM1/2 - Red / Beige |
| WFR-00050-RD-AQ | 180970127 | 12F Faceplate - Duplex OM3/4 - Red / Aqua |
| WFR-00050-RD-EV | 180970128 | 12F Faceplate - Duplex OM4 - Red / Erika Violet |
| WFR-00050-RD-BL | 180970144 | 12F Faceplate - Duplex Singlemode - Red / Blue |
| WFR-00050-RD-GR | 180970146 | 12F Faceplate - Duplex APC Singlemode - Red / Green |
| WFR-00050-RD-LG | 180970148 | 12F Faceplate - Duplex OM5 - Red / Lime Green |
| **Loaded Adapter Plates - SC Duplex, Shuttered, Riveted - White** | | |
| WFR-00050-WH-BG | 180970086 | 12F Faceplate - Duplex OM1/2 - White / Beige |
| WFR-00050-WH-AQ | 180970123 | 12F Faceplate - Duplex OM3/4 - White / Aqua |
| WFR-00050-WH-EV | 180970124 | 12F Faceplate - Duplex OM4 - White / Erika Violet |
| WFR-00050-WH-BL | 180970145 | 12F Faceplate - Duplex Singlemode - White / Blue |
| WFR-00050-WH-GR | 180970147 | 12F Faceplate - Duplex APC Singlemode - White / Green |
| WFR-00050-WH-LG | 180970149 | 12F Faceplate - Duplex OM5 - White / Lime Green |
| **Loaded Adapter Plates - SC Duplex, Shuttered, Riveted - Pink** | | |
| WFR-00050-PK-BG | 180970181 | 12F Faceplate - Duplex OM1/2 - Light Pink / Beige |

# Fiber Optic Solution Lightband Enclosures

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00050-PK-AQ | 180970182 | 12F Faceplate - Duplex OM3/4 - Light Pink / Aqua |
| WFR-00050-PK-EV | 180970183 | 12F Faceplate - Duplex OM4 - Light Pink / Erika Violet |
| WFR-00050-PK-BL | 180970184 | 12F Faceplate - Duplex Singlemode - Light Pink / Blue |
| WFR-00050-PK-GR | 180970185 | 12F Faceplate - Duplex APC Singlemode - Light Pink / Green |
| WFR-00050-PK-LG | 180970186 | 12F Faceplate - Duplex OM5 - Light Pink / Lime Green |
| **Loaded Adapter Plates - SC Duplex, Shuttered, Riveted - Blue** | | |
| WFR-00050-BL-BG | 180970187 | 12F Faceplate - Duplex OM1/2 - Sky Blue / Beige |
| WFR-00050-BL-AQ | 180970188 | 12F Faceplate - Duplex OM3/4 - Sky Blue / Aqua |
| WFR-00050-BL-EV | 180970189 | 12F Faceplate - Duplex OM4 - Sky Blue / Erika Violet |
| WFR-00050-BL-BL | 180970190 | 12F Faceplate - Duplex Singlemode - Sky Blue / Blue |
| WFR-00050-BL-GR | 180970191 | 12F Faceplate - Duplex APC Singlemode - Sky Blue / Green |
| WFR-00050-BL-LG | 180970192 | 12F Faceplate - Duplex OM5 - Sky Blue / Lime Green |
| **Loaded Adapter Plates - SC Duplex, Shuttered, Riveted - Yellow** | | |
| WFR-00050-YL-BG | 180600605 | 12F Faceplate - Duplex OM1/2 - Yellow / Beige |
| WFR-00050-YL-AQ | 180600606 | 12F Faceplate - Duplex OM3/4 - Yellow / Aqua |
| WFR-00050-YL-EV | 180600607 | 12F Faceplate - Duplex OM4 - Yellow / Erika Violet |
| WFR-00050-YL-BL | 180600608 | 12F Faceplate - Duplex Singlemode - Yellow / Blue |
| WFR-00050-YL-GR | 180600609 | 12F Faceplate - Duplex APC Singlemode - Yellow / Green |
| WFR-00050-YL-LG | 180600610 | 12F Faceplate - Duplex OM5 - Yellow / Lime Green |
| **Loaded Adapter Plates - LC Duplex, Shuttered, Riveted - Red** | | |
| WFR-00052-RD-BG | 180970089 | 12F Faceplate - Duplex OM1/2 - Red / Beige |
| WFR-00052-RD-AQ | 180970129 | 12F Faceplate - Duplex OM3/4 - Red / Aqua |
| WFR-00052-RD-EV | 180970130 | 12F Faceplate - Duplex OM4 - Red / Erika Violet |
| WFR-00052-RD-BL | 180970150 | 12F Faceplate - Duplex Singlemode - Red / Blue |
| WFR-00052-RD-GR | 180970152 | 12F Faceplate - Duplex APC Singlemode - Red / Green |
| WFR-00052-RD-LG | 180970154 | 12F Faceplate - Duplex OM5 - Red / Lime Green |
| **Loaded Adapter Plates - LC Duplex, Shuttered, Riveted - White** | | |
| WFR-00052-WH-BG | 180970090 | 12F Faceplate - Duplex OM1/2 - White / Beige |
| WFR-00052-WH-AQ | 180970125 | 12F Faceplate - Duplex OM3/4 - White / Aqua |
| WFR-00052-WH-EV | 180970126 | 12F Faceplate - Duplex OM4 - White / Erika Violet |
| WFR-00052-WH-BL | 180970151 | 12F Faceplate - Duplex Singlemode - White / Blue |
| WFR-00052-WH-GR | 180970153 | 12F Faceplate - Duplex APC Singlemode - White / Green |
| WFR-00052-WH-LG | 180970155 | 12F Faceplate - Duplex OM5 - White / Lime Green |
| **Loaded Adapter Plates - LC Duplex, Shuttered, Riveted - PInk** | | |
| WFR-00052-PK-BG | 180970195 | 12F Faceplate - Duplex OM1/2 - Light Pink / Beige |
| WFR-00052-PK-AQ | 180600603 | 12F Faceplate - Duplex OM3/4 - Light Pink / Aqua |
| WFR-00052-PK-EV | 180970176 | 12F Faceplate - Duplex OM4 - Light Pink / Erika Violet |
| WFR-00052-PK-BL | 180970196 | 12F Faceplate - Duplex Singlemode - Light Pink / Blue |
| WFR-00052-PK-GR | 180970197 | 12F Faceplate - Duplex APC Singlemode - Light Pink / Green |
| WFR-00052-PK-LG | 180970198 | 12F Faceplate - Duplex OM5 - Light Pink / Lime Green |
| **Loaded Adapter Plates - LC Duplex, Shuttered, Riveted - Blue** | | |
| WFR-00052-BL-BG | 180970199 | 12F Faceplate - Duplex OM1/2 - Sky Blue / Beige |
| WFR-00052-BL-AQ | 180970200 | 12F Faceplate - Duplex OM3/4 - Sky Blue / Aqua |
| WFR-00052-BL-EV | 180970201 | 12F Faceplate - Duplex OM4 - Sky Blue / Erika Violet |
| WFR-00052-BL-BL | 180970202 | 12F Faceplate - Duplex Singlemode - Sky Blue / Blue |
| WFR-00052-BL-GR | 180970203 | 12F Faceplate - Duplex APC Singlemode - Sky Blue / Green |
| WFR-00052-BL-LG | 180970204 | 12F Faceplate - Duplex OM5 - Sky Blue / Lime Green |
| **Loaded Adapter Plates - LC Duplex, Shuttered, Riveted - Yellow** | | |
| WFR-00052-YL-BG | 180600612 | 12F Faceplate - Duplex OM1/2 - Yellow / Beige |
| WFR-00052-YL-AQ | 180600613 | 12F Faceplate - Duplex OM3/4 - Yellow / Aqua |
| WFR-00052-YL-EV | 180600614 | 12F Faceplate - Duplex OM4 - Yellow / Erika Violet |
| WFR-00052-YL-BL | 180600615 | 12F Faceplate - Duplex Singlemode - Yellow / Blue |
| WFR-00052-YL-GR | 180600616 | 12F Faceplate - Duplex APC Singlemode - Yellow / Green |
| WFR-00052-YL-LG | 180600617 | 12F Faceplate - Duplex OM5 - Yellow / Lime Green |
| **Adapter Plates - Internal Shuttered, LC - Red** | | |
| WFR-00084-RD-BL | 180600627 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Blue |
| WFR-00085-RD-LG | 180600628 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Lime Green |
| WFR-00119-RD-AQ | 180600625 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Aqua |
| WFR-00120-RD-EV | 180600626 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Erika Violet |
| **Adapter Plates - Internal Shuttered, LC - White** | | |
| WFR-00086-WH-AQ | 180600629 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Aqua |
| WFR-00087-WH-EV | 180600630 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Erika Violet |
| WFR-00088-WH-BL | 180600631 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Blue |
| WFR-00089-WH-LG | 180600632 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Lime Green |
| **Adapter Plates - Internal Shuttered, LC - Pink** | | |
| WFR-00090-PK-AQ | 180600633 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Aqua |
| WFR-00091-PK-EV | 180600634 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Erika Violet |

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00092-PK-BL | 180600635 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Blue |
| WFR-00093-PK-LG | 180600636 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Lime Green |
| **Adapter Plates - Internal Shuttered, LC - Blue** | | |
| WFR-00094-BL-AQ | 180600637 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Aqua |
| WFR-00095-BL-EV | 180600638 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Erika Violet |
| WFR-00096-BL-BL | 180600639 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Blue |
| WFR-00097-BL-LG | 180600640 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Lime Green |
| **Adapter Plates - Internal Shuttered, LC - Yellow** | | |
| WFR-00098-YL-AQ | 180600641 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Aqua |
| WFR-00099-YL-EV | 180600642 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Erika Violet |
| WFR-00100-YL-BL | 180600643 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Blue |
| WFR-00101-YL-LG | 180600644 | 12 Port Multimedia Enclosure Adapter Plate, Internal Shuttered LC, MM - Lime Green |
| **Blank Adapter Plates** | | |
| WFR-00055-WH | 180970094 | Blank Adapter Plate - White |
| WFR-00055-RD | 180970095 | Blank Adapter Plate - Red |
| WFR-00055-PK | 180970205 | Blank Adapter Plate - Pink |
| WFR-00055-BL | 180970206 | Blank Adapter Plate - Blue |
| WFR-00055-YL | 180600618 | Blank Adapter Plate - Yellow |

** Enclosure & Faceplate Color Options: RD = Red, WH = White, YL = Yellow, PK = Light Pink, BL = Sky Blue



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**WM-12**

The WM-12 is a wall-mounted steel enclosure that provides up to 18 fiber ports in a minimum of space. The WM-12 has an integral configurable panel that accepts up to six Euromod modules. Modules may be mixed for UTP, FTP, optical fiber and coax, making it the most versatile and compact wall mount enclosure for mixed media. Its design also guarantees that all of the media will be protected and proper fiber bend radius is maintained.

- Up to 18 fiber ports
- Fully configurable using Molex Euromod modules
- Available with fully lockable steel doors when security is a primary concern

| Order No. | SAP No. | Description |
|---|---|---|
| WFR-00018 | 180090008 | WM12 - Graphite Gray |

# Installation equipment ›

**Installation begins with the right tools and ends with the right tests. Molex termination tools and testers are designed to help you install both copper and fiber systems easily and efficiently.**

# Tools & Testers

## Termination Tools

Installation starts with having the right tool. Molex termination tools offer faultless termination for DataGate Jacks and Keystone Jacks.

## Testers

Molex’s range of continuity testers is the mainstay of any installer’s toolkit. This industry favorite is known for its long life and reliable performance.

## Rugged and Reliable

Long-lasting, durable tools that will provide reliable operation time and again.

### 4 Pair Termination Tool

The Molex DataGate 4 Pair Termination Tool is a robust and reliable product that offers faultless gas-tight terminations of all four pairs simultaneously. The tool frame is manufactured from high grade steel with die-cast termination heads. Designed specifically for use with Molex DataGate and Keystone style jacks, the 4 Pair Termination Tool Frame is supplied unloaded into which either the UTP Termination Head (for termination of the UTP DataGate and Keystone jacks) or the C6A Termination Head (for termination of the C6A shielded DataGate jacks) is fitted. Operation is simple and efficient. The jack is placed over the wires that have been securely seated in the Termination Head. The Termination Head and jack are then pivoted into the cutting position and the handles depressed, resulting in wires that are firmly and accurately seated and neatly trimmed, in one simple operation.

- Designed specifically for the DataGate, Keystone and C6A Shielded Jacks
- Simple to operate
- Cables are terminated and neatly trimmed in one operation
- Tool Frame supplied unloaded. UTP and C6A Termination Heads supplied separately
- MOD-Clip 4 Pair Termination Tool is compatible with UTP MOD-Clip C6 Jacks only. C6A MOD-Clip jacks are terminated using the DataGate tool

| Order No. | SAP No. | Description |
|---|---|---|
| 31.0011 | Consult Molex | 4 Pair Termination Tool Frame |
| 31.0010 | Consult Molex | 4 Pair Termination Tool Frame, UTP - MOD-Clip Jack only |
| 31.0012 | Consult Molex | Termination Head UTP |
| 31.0015 | 182520015 | Termination Head C6A |

### Keystone Jack C6A UTP 4 Pair Termination Tool

The Keystone Jack C6A UTP 4 Pair Termination Tool designed specifically for compatibility with the the Gen II C6A UTP jack. The tool is a robust, reliable product offering fast, fault-less gas-tight termination of all four pairs of solid cable simultaneously. The C6A UTP Keystone Jack Gen II Termination tool is supplied with a cutting blade module installed and a spare replacement blade module.

- Fast, fault-less termination
- Cutting blade and spare supplied with each tool for long termination life
- Ergonomic tool handle design for comfortable repeat operation

| Order No. | SAP No. | Description |
|---|---|---|
| 31.0016 | 182520017 | Keystone Jack C6A UTP 4 Pair Termination Tool |

C6A UTP Keystone Jack Page 7

### SLT3S Tester

The SLT3S Tester is a rugged, lightweight product designed to verify the integrity of 1, 2, 3, and 4 pair UTP and FTP channels. Incorporating a unique 3-in-1 design, this tester features built-in modular jacks for USOC, EIA 568A and 568B wiring sequences. Simply connect the master and slave unit to each end of the cable under test, and the SLT3S automatically verifies correct cable sequence, as well as open and short circuits.

- Innovative 3-in-1 design features modular jacks for testing USOC, EIA 568A and 568B cabling systems
- Accurately verifies the continuity and sequence of 1, 2, 3 and 4 pair UTP and FTP channels
- Continuously-sequencing LED display provides a diagnostic readout that immediately detects shorts, opens, reversals and mis-wires at a glance

| Order No. | SAP No. | Description |
|---|---|---|
| 33A-100-10 | 180390011 | SLT3S Tester (Master and Slave Units) with 9 Volt battery, UTP and Shielded |

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| 106123-1200 | 1061231200 | LC Shuttered Quad Multimode OM1/2 Adapter - Beige | 66 |
| 106123-3200 | 1061233200 | LC Shuttered Quad, Multimode OM3 Adapter - Aqua | 66 |
| 106127-0310 | 1061277030 | LC Shuttered Duplex, Multimode OM1/2 Adapter - Beige | 65 |
| 106127-0350 | 1061270350 | LC Shuttered Duplex, Multimode OM3 Adapter - Aqua | 65 |
| 106127-0410 | Consult Molex | LC Shuttered Duplex, Multimode OM1/OM2, Zirconia Snap Mount - Beige | 65 |
| 106127-1300 | 1061271300 | LC Shuttered Duplex, Singlemode OS1a/ Adapter - Blue | 65 |
| 106127-1300A | 1061271300A | LC Shuttered Duplex, Singlemode, Zirconia Alignment | 65 |
| 106127-1310A | 1061271310A | LC Shuttered Duplex, Multimode, Zirconia Alignment Sleeve | 65 |
| 106127-1350 | Consult Molex | LC Shuttered Duplex SM OS1a Zirconia Ceramic Flange Mount - Green | 65 |
| 106127-1400 | Consult Molex | LC Shuttered Duplex, Singlemode, OS1a Zirconia Ceramic Snap Mount - Blue | 65 |
| 106127-1450 | Consult Molex | LC Shuttered Duplex SM OS1a Zirconia Ceramic Snap Mount - Green | 65 |
| 106166-0200 | Consult Molex | SC Duplex Adapter Shutter - Blue | 64 |
| 106166-0210 | Consult Molex | SC Duplex Adapter Shutter - Beige | 64 |
| 106166-0500A | Consult Molex | SC/SC Duplex Singlemode Zirconia Flange Mount Shuttered - Blue | 64 |
| 106166-0550 | Consult Molex | SC/SC APC Duplex Singlemode Zirconia Flange Mount Shuttered - Green | 64 |
| 106166-0600 | Consult Molex | SC/SC Duplex Singlemode Zirconia Snap Mount Shuttered - Blue | 64 |
| 16.A0012 | 180070055 | 22.5 x 45mm Blank Module - White | 27, 31 |
| 17-0101-02 | Consult Molex | Euromod Single Gang Wallplate, 50mm x 50mm, No Labeling Facility | 95 |
| 17-0111-02 | 181390001 | Euromod Single Gang Wall Plate(with label facility) 86 x 86mm White | 95 |
| 17-0112-02 | 181390002 | Euromod Double Gang Wall Plate (with label facility) 86 x 145mm White | 95 |
| 17-0231-02 | Consult Molex | Euromod Snap-in Adapter Collar (half) 50mm x 50mm | 96 |
| 17-0232-02 | Consult Molex | Euromod Snap-in Adapter Collar (full) 50mm x 50mm | 96 |
| 17-0412-02 | 180060060 | Euromod Quarter (12.5 x 50mm) Blank - White | 26, 95, 96 |
| 17-0413-02 | 181370005 | Euromod Half (25 x 50mm) Blank - White | 26, 95, 96 |
| 17-0414-02 | 180060062 | Euromod Full (50 x 50mm) Blank - White | 26, 95, 96 |
| 17.A0162 | 181210015 | 25 x 50mm Duplex SC Module, Multimode - 1 Adapter | 67 |
| 17.A0172 | 181210014 | 25 x 50mm Duplex SC Module, Singlemode - 1 Adapter | 67 |
| 17.A0182 | 182620006 | 25 x 50mm Duplex SC-ST Module, Multimode - 1 Adapter | 67 |
| 17.A0192 | 182620007 | 25 x 50mm Duplex SC-ST Module, Singlemode - 1 Adapter | 67 |
| 17.A0202 | 184000467 | 25 x 50mm Shuttered Duplex SC Module, Multimode - 1 Adapter | 67 |
| 17.A0212 | 184000466 | 25 x 50mm Shuttered Duplex SC Module, Singlemode - 1 Adapter | 67 |
| 17.A0222 | 182620008 | 25 x 50mm Shuttered Duplex SC-ST Module, Multimode - 1 Adapter | 67 |
| 18282-0037 | 182820037 | SC/SC Duplex Singlemode Zirconia Flange Mount Unshuttered - Blue | 64 |
| 18282-0038 | 182820038 | SC/SC Duplex Singlemode Zirconia Snap Mount Unshuttered - Blue | 64 |
| 18282-0039 | 182820039 | SC/SC APC Duplex Singlemode Zirconia Flange Mount Unshuttered - Green | 64 |
| 18282-0040 | 182820040 | SC/SC APC Duplex Singlemode Zirconia Snap Mount Unshuttered - Green | 64 |
| 18282-0045 | 182820045 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Blue | 65 |
| 18282-0046 | 182820046 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Blue | 65 |
| 18282-0047 | 182820047 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Green | 65 |
| 18282-0048 | 182820048 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Green | 65 |
| 18282-0053 | 182820053 | LC Quad, Zirconia Alignment Sleeve, Flange Mount - Blue | 66 |
| 18282-0065 | 182820065 | ST/ST Adapter, Singlemode/Multimode, Metal Body, Zirconia Sleeve | 66 |
| 18282-0089 | 182820089 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Erika Violet | 65 |
| 18282-0092 | 182820092 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Erika Violet | 65 |
| 18282-0103 | 182820103 | SC/SC Duplex Multimode Zirconia Flange Unshuttered - Beige | 64 |
| 18282-0104 | 182820104 | SC/SC Duplex Multimode Zirconia Flange Unshuttered - Aqua | 64 |
| 18282-0107 | 182820107 | SC/SC Duplex Multimode Zirconia Flange Unshuttered - Erika Violet | 64 |
| 18282-0108 | 182820108 | SC/SC Duplex Multimode Zirconia Snap Mount Unshuttered - Beige | 64 |
| 18282-0109 | 182820109 | SC/SC Duplex Multimode Zirconia Snap Mount Unshuttered - Aqua | 64 |
| 18282-0111 | 182820111 | SC/SC Duplex Multimode Zirconia Snap Mount Unshuttered - Erika Violet | 64 |
| 18282-0112 | 182820112 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Beige | 65 |
| 18282-0113 | 182820113 | LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Aqua | 65 |
| 18282-0117 | 182820117 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Beige | 65 |
| 18282-0118 | 182820118 | LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Aqua | 65 |
| 18282-0122 | 182820122 | LC Unshuttered Quad, Zirconia Alignment Sleeve, Flange Mount - Beige | 66 |
| 18282-0182 | 182820182 | LC Shuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Blue | 65 |
| 18282-0183 | 182820183 | LC Shuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Green | 65 |
| 18282-0184 | 182820184 | LC Shuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Beige | 65 |
| 18282-0185 | 182820185 | LC Shuttered Duplex, Snap Mount, Multimode, OM3/4, Zirconia Alignment Sleeve- Aqua | 65 |
| 18282-0186 | 182820186 | LC Shuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Erika Violet | 65 |
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| 18282-0217 | 182820217 | LC Shuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Lime Green | 65 |
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| 18282-0252 | 182820252 | Duplex LC MM OM5, Zirconia Sleeve, Flange Mounted, Internal Shuttered, Lime Green | 66 |
| 18282-0253 | 182820253 | Duplex LC SM OS1/2, Zirconia Sleeve, Snap Mounted, Internal Shuttered, Blue | 66 |
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| 18282-0255 | 182820255 | Duplex LC MM OM4, Zirconia Sleeve, Snap Mounted, Internal Shuttered, Erika Violet | 66 |
| 18282-0256 | 182820256 | Duplex LC MM OM5, Zirconia Sleeve, Snap Mounted, Internal Shuttered, Lime Green | 66 |
| 25.A029-04 | Consult Molex | Brush Tidy Cable Management Panel - Black* | 90 |
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| 25.B018G | Consult Molex | Blank Panels | 90 |
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| 25.B035G | 180320007 | Deep Ring Run | 90 |
| 25.B0364 | 180310015 | 1U Side Ring Deep | 90 |
| 25.B0424 | 180310017 | 2U Side Ring | 90 |
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| 25.C001G | Consult Molex | Panel 1U with cover | 90 |
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| 31.0012 | Consult Molex | Termination Head UTP | 103 |
| 31.0015 | 182520015 | Termination Head C6A | 103 |
| 31.0016 | 182520017 | Keystone Jack C6A UTP 4 Pair Termination Tool | 103 |
| 33A-100-10 | 180390011 | SLT3S Tester (Master and Slave Units) with 9 Volt battery, UTP and Shielded | 103 |
| 35-X002 | Consult Molex | Label holder and label pack (100) for Euromod/MOD-SNAP C5e | 96 |

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| 35-X004 | Consult Molex | Label holder and label pack (100) for C5e Fixed Wallplates | 96 |
| 39-504-5E | 181700098 | PowerCat U/UTP C5e LS0H Cable, Dca-s2,d2,a1 - 305m Reel - Violet | 32 |
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Melbourne, Australia
Tel: +61 3 9971 7111

Shanghai, China
Tel: +86 215 048 0889

Bangalore, India
Tel: +91 80 6683 8412

Tczew, Poland
Tel: +48 58 530 62 00

Johannesburg, South Africa
Tel: +27 108 232 208

Portsmouth, UK
Tel: +44 2392 205800

Dubai, UAE
Tel: +971 564036976

Lisle, IL USA
Tel: +1 866 733 6659

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