

# PRODUCT AND SOLUTIONS GUIDE

## Connected Enterprise Solutions

### Western Europe / Middle East

July 2021



**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.

#### Product Lifetime 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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# Your physical layer infrastructure >



**Take control of your most extensive IT asset – the physical layer infrastructure.**

**The Molex Intelligent Infrastructure Management (MIIM) solution delivers benefits applicable to all types of business. Real-time information on your network status and connected devices, helps you make the most of your network, your people and your budget, while improving response times and security efforts.**

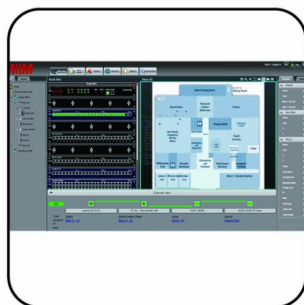


## Advanced Physical Layer Management



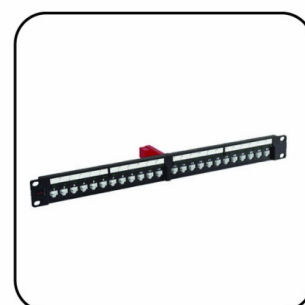
### Operational Effectiveness

MIIM can improve your management of people, connected devices and facilities. Gain visibility over your physical layer infrastructure, diagnose and resolve issues faster, and strengthen your network security.



### Integration

MIIM uses Simple Network Management Protocol (SNMP) to provide data to the Network Management System (NMS) tools about the status of structured cabling and connected devices. This interface complements a variety of popular NMS tools.



### Simplicity Designed In

MIIM has been designed with simplicity in mind from the outset – simple to engineer, simple to install, and simple to operate. It requires no special patch cords, cables or display screens.



# Advanced Physical Layer Management

## MIIM



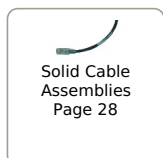
Patch Cords  
Page 27

### MIIM Scanner

MIIM scanners monitor activity on an MIIM enabled system. Each 1U scanner can be connected to up to 48 patch panels, providing monitoring of up to 1152 separate physical channels. Standard RJ45 patch cords are used as the data bus connection between scanners and patch panels. MIIM scanners can be configured and activated independently of the software. When the MIIM application software is connected to the scanner, it "discovers" active hardware and devices on the network and uploads this information onto the MIIM application software. Scanners monitor the connection state of MIIM channels and pass state change data to the MIIM application software. This triggers MIIM's Event-Driven Discovery function which queries the associate switch and updates the software.

- Event-Driven Discovery enables continuous updating of MIIM with minimal impact to the network
- Simple scanner configuration
- Mission critical port disconnection alerts
- Low power consumption with no fans or cooling required
- Transaction queues record events for later delivery if the scanner is disconnected from the MIIM application
- Data bus connection between the scanner and patch panel is via an industry standard RJ45 patch cord

Order No.	SAP No.	Description
IMS-00100	183240000	MIIM 576 Channel Scanner



Solid Cable  
Assemblies  
Page 28

### MIIM G3 Patch Panels

MIIM G3 Patch Panels are used within the MIIM System. Each 1U 24 Port Patch Panel has one data bus connection port located on the rear of the panel which is used to connect the control unit. The control unit connects the panel to the MIIM scanner via a standard RJ45 patch cord. The patch panel is used by the MIIM system to track connectivity in the patch zone. LED status indicators on the control unit show status of connectivity between the panel and the scanner and also the LED indicators on the panel provide panel guidance for work orders. Each panel contains 24 MIIM jacks which can be removed from the panel to be terminated individually with standard punch down tools. MIIM panels function as a standard patch panel when not connected to the MIIM system.

- 24 Ports 1U
- Cat 6 UTP and Cat 6A FTP
- EIA 568A/B wired
- Standard 19" rack mount
- Data bus connection to the MIIM G3 control unit
- Integral cable management shelf ensures bend radius compliance
- International hardware kit contains both ANSI and metric hardware
- Can be terminated using industry standard punch-down tools
- RoHS Compliant
- Intelligent Control unit need to be purchased separately

Order No.	SAP No.	Description
PID-00283	183200023	1U 24 Port Category 6 UTP MIIM G3 Jack Loaded Patch Panel
PID-00285	183210036	1U 24 Port Category 6A Shielded MIIM G3 Jack Loaded Patch Panel

### MIIM G3 Intelligent Control Unit

The MIIM G3 intelligent control unit enables MIIM Ready G3 panels to sense adds, moves, and changes across all 24 ports on the panel. The control unit contains LED's to indicator the power supply from scanner. Control unit can be easily added to MIIM ready panels to activate full MIIM capabilities. The control unit contains an RJ45 jack to connect it to the MIIM scanner via a standard patch cord. MIIM Panels with control units that are not connected to a MIIM scanner function the same as a standard patch panel.

- MIIM Control unit provides intelligent management for MIIM G3 panels
- MIIM Control unit is easily added and removed from any MIIM G3 panel
- MIIM Control unit can be mounted on the panel by embedded screw
- MIIM Control unit is powered by the scanner
- Two power status indicators to ensure proper connection of power supply from the scanner
- Control units for fiber & copper panels are different

Order No.	SAP No.	Description
IMD-00005	183240015	MIIM G3 Intelligent control unit for copper panel - Red
IMD-00006	183240016	MIIM G3 Intelligent control unit for fiber panel - Yellow

## Advanced Physical Layer Management MIIM

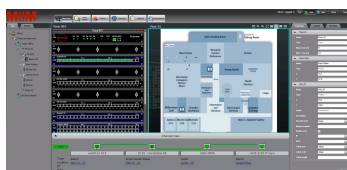


### MIIM G3 24 Port Duplex LC Fiber Panel

MIIM G3 Fiber Optic panels are used within the MIIM System. The adapter interface is 24 Duplex LC adapters. Each 1U 24 Port enclosure has one data bus connection port located on the rear of the panel that connects the panel to a MIIM Intelligent control unit. When connected to a MIIM scanner via control unit, the panels detect connection activity on each Duplex LC port. The patch panel works as a conventional patch panel when not connected to the MIIM system

- 1U 24 port/48 fiber in LC Duplex adapter
- Data bus connection to the MIIM G3 control unit
- Panel options for Singlemode and Multimode
- Slide out cable management shelf
- Recessed mounting provides adequate space for routing patch cords, even in free standing enclosures with the front door closed
- ANSI and international metric hardware kit provided
- Intelligent Control unit need to be purchased separately
- Using standard LC Duplex fiber patch cord to connect MIIM G3 fiber panels

Order No.	SAP No.	Description
RFR-00318	183230013	MIIM G3 48F Duplex LC Multimode Fiber Patch Panel
RFR-00319	183230014	MIIM G3 48F Duplex LC Singlemode Fiber Patch Panel



### MIIM Application Software

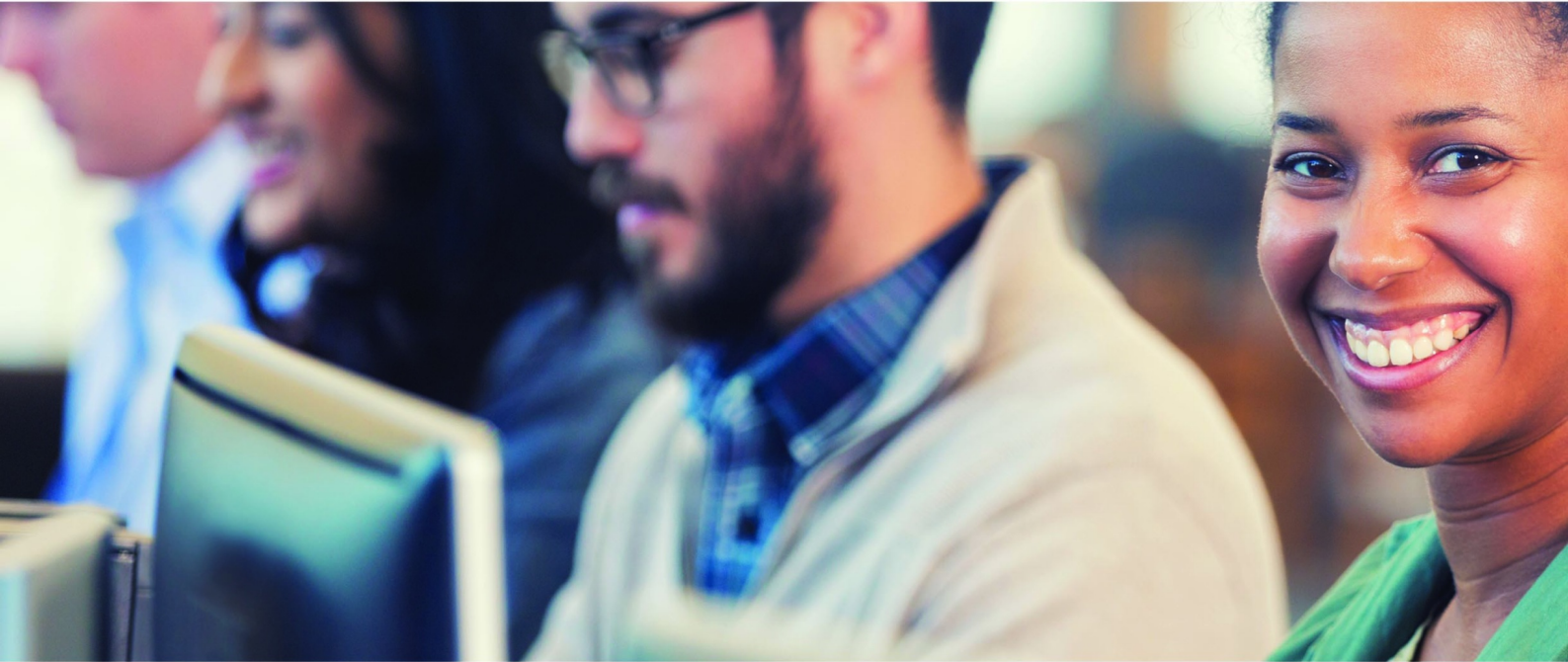
MIIM Application Software is a client server based Software program and is the central data manager for the MIIM System. It manages OSI Layer 1 assets and provides instantaneous information to the IT Manager regarding connectivity on MIIM enabled channels. The software documents planned and unplanned changes to the network. It allows continuous monitoring of the physical channel between MIIM panels. It automatically monitors all connections/disconnections, updates all MACs to the database, identifies and confirms port availability and notifies the IT Manager of all unscheduled or unauthorized network changes. Event-Driven Discovery gathers device information attached to outlets and is triggered by updates to the scanner. The software allows global network access and cost-effective network management.

- Hierarchal view of entire enterprise layer 1 infrastructure to the port/outlet
- Event monitoring of all connections/disconnections
- Event-Driven Discovery keeps data current and minimizes network bandwidth usage
- Enables guided patching
- Search feature to easily locate assets and information
- Event logs for audit trails
- Layer 1 assets linked to building maps
- Open systems architecture can link with other network management applications
- Suite of management reports available
- Unrestricted number of users per license

Order No.	SAP No.	Description
IMA-00102	183250004	MIIM Server Application License
IMM-00102	183250005	MIIM Server Support/Maintenance
IMA-00101	183250003	MIIM 96 Channel License
IMM-00101	183250002	MIIM 96 Channel License Software Maintenance



# Reliable product performance >

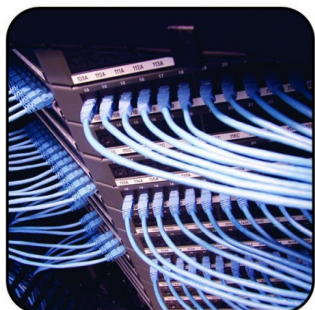


**Copper based cabling technology continues to evolve to meet changing requirements. Cat 6A offers a fast transmission speed with less crosstalk and is effective at longer distances. This superior level of performance is ideal for organizations looking to create a robust, future-ready infrastructure.**

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

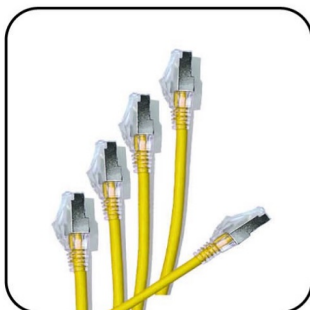


## Copper Solutions



### 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

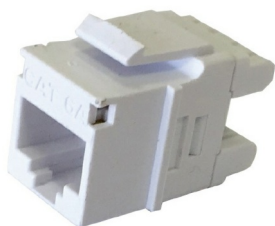


### PowerCat 6A U/UTP LS0H Cable

The PowerCat 6A U/UTP LS0H Cable is specifically designed to support high speed data network applications such as 10GBASE-T. The innovative design features an isolation foil wrap for alien crosstalk defense and offers a low nominal diameter allowing for a higher cable density and a lower bend radius. The product is 3rd party verified to ANSI/TIA-568.2-D and ISO 11801 Cat 6A standards.

- Suitable for any high-speed data application up to 500MHz 10/100/10GBASE-T
- Backward compatible to legacy protocols and applications
- Tested for IEEE 802.3bt Type 1,2,3 and 4 PoE standards
- ANSI/TIA-568.2-D and ISO 11801 Cat 6A standard verified
- No grounding or bonding required
- Low overall cable diameter offers high cable density and low bend radius, reducing the installation cost

Order No.	SAP No.	Description
CAA-00424-BL	1810000014	PowerCat 6a Unshielded Dca-s2,d2,a1 Cable Blue 500m reel



### PowerCat 6A UTP Keystone Jack

Designed to comply with the transmission performance of ANSI/TIA-568-C.2 Augmented Category 6. 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 includes a snap-on shutter to protect against dust ingress. The product 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 4PPoE+ compliance.

- Popular keystone design
- Optional shutter for dust protection (shutter provided with jack)
- 568A or 568B wiring option
- Rear metal-wrapped cable retention cap provides greater alien crosstalk protection
- 3rd party verified

Order No.	SAP No.	Description
KSJ-00091-*	Consult Molex	Keystone Jack C6A UTP 568A/B

\*\* Color Options - 02 = White, 04 = Black, RD = Red, BL = Blue, 08 = Gray, 05 = Ivory Standard Stocked Colors - Black and White. Other colors subject to availability and variable pricing

Keystone Jack  
Wallplate  
Page 82



### 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 Patch Panel - Unloaded - 1U
KSJ-00064-*	Consult Molex	Keystone Blank

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

Keystone Jack  
Page 24

## Copper Solutions PowerCat 6A Shielded

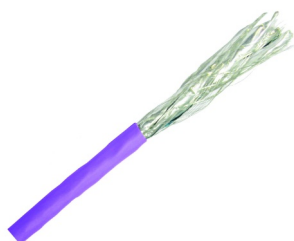


### PowerCat 6A U/FTP Cable

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

- 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

Order No.	SAP No.	Description
CAA-0322L-VL	183020029	PowerCat 6A U/FTP LS0H Cable Dca-s2,d1,a1 Violet - 500m
CAA-0334-VL	183020023	PowerCat 6A U/FTP LS0H Cable Cca-s1a,d1,a1 Violet - 500m
CAA-0413-VL	183020040	PowerCat 6A U/FTP LS0H Cable B2ca-s1a,d1,a1 Violet 500m

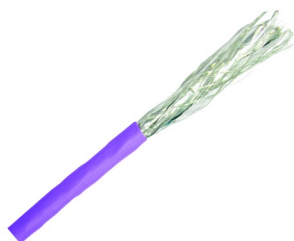


### Category 7 S/FTP Cable

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.

- 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

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

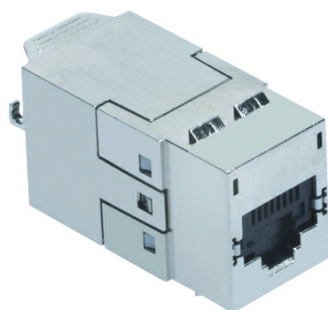


### PowerCat 7A S/FTP Cable

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.

- 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

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



### PowerCat 6A DataGate Shielded Jack

The DataGate Jack is the cornerstone of the Molex PowerCat 6A System performance. The product offers superior alien crosstalk suppression, excellent insertion loss protection and enhanced electromagnetic interference (EMI) protection. Protection is provided by utilizing a robust die-cast zinc alloy connector body housing. This shielded 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 Shielded C6 and C5e systems. Also available in side entry variation, ideal for use in work area outlet applications with limited back box space.

- 360° Shielded RJ45 Jack
- Robust die-cast zinc alloy housing
- 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 icon labels
- Supplied with all C6A patch panels and wall outlets
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side
- 100% factory tested
- RoHS compliant
- Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible

Order No.	SAP No.	Description
KSJ-00062-**	Consult Molex	PowerCat 6A Jack RJ45 568A/B Shielded
KSJ-00073-**	Consult Molex	PowerCat 6A Side Entry Jack Shielded

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



Termination Tool  
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## Copper Solutions PowerCat 6A Shielded



Termination Tool  
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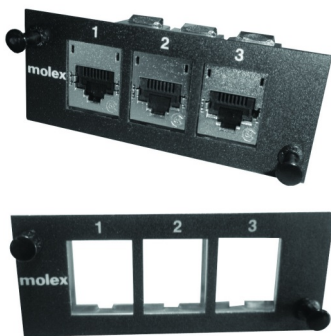
### PowerCat 6A Shielded Patch Panels

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
<b>Accessories</b>		
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.



### 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-00062-0\*) 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



Multi-Function  
Enclosure  
Page 43

### 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-snap slim strain relief slip on boots.

- 4 pair 26 AWG shielded stranded copper cable
- Pre-terminated with RJ45 plugs
- Slim clear anti-snap 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-07000-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 1m
PCD-07061-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 1.5m
PCD-07001-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 2m
PCD-07002-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 3m
PCD-07004-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 5m
PCD-07006-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 7m
PCD-07009-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 10m

## Copper Solutions PowerCat 6A Shielded



### 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-conductor channel with EU cable part no. CAA-00413-VL. Contact Molex Technical Support for installation design guidance.



### 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-OP	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-OP	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-OP	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-OP	183270080	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet, 50m
PCD-08004-OP	183270081	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, Violet, 60m

## Copper Solutions PowerCat 6A Shielded

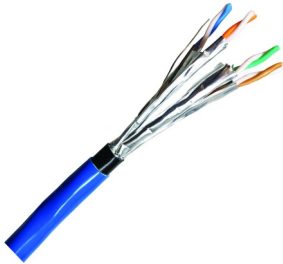


### PowerCat 6A Field Termination Plug

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	Consult Molex	Category 6A Field Termination Plug



### 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

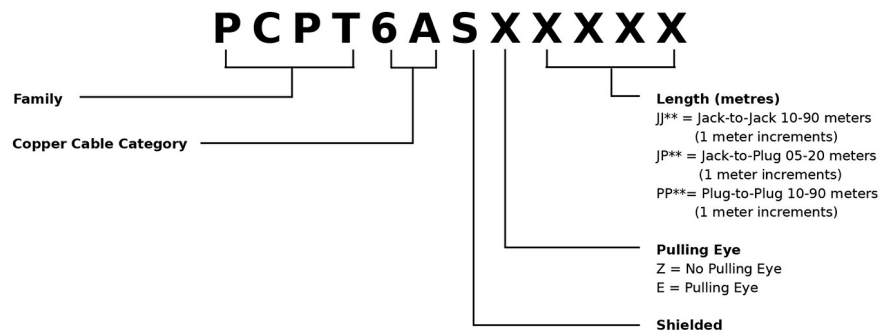
Order No.	SAP No.	Description
CAA-00418	183020048	Cat6A U/FTP Gel Filled Outdoor PE Cable Nylon Fca Blue 305m



### 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.



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 PCPT6ASJJ32



## Copper Solutions PowerCat 6A Shielded



### 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 shelf ensures 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
PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U
PID-00260	180810033	PowerCat 48 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 2U
PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U
KSJ-00005-0*	Consult Molex	Single Position Blank Module (Bag of 25)

\* Color Options - 2 = White, 4 = Black

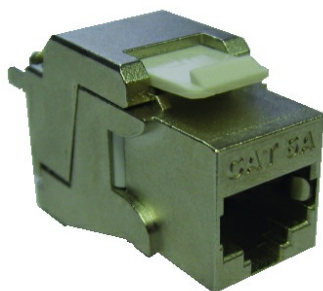


### 1U 24 Port, Angled Keystone Jack Aperture, Unloaded Patch Panel

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



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

The Shielded Tool-less C6A Keystone Jack is in addition to the PowerCat 6A STP product line designed for installation in Structured Cabling Systems requiring Keystone size apertures for wall outlet installations. The jack is terminated without the use of a Punch Down Tool. The jack is designed for use in a two-connector permanent link or channel configuration so the standard Molex C6A Shielded DataGate panels are installed in the Distribution closet and C6A Keystone Jacks are installed in the Telecommunication/Wall Outlets. The jack does not feature a dust shutter. This product provides excellent protection against electromagnetic interference protection due to its fully shielded 360° construction.

- 360° shielding for EMI protection
- Easy and fast termination process
- Ability to attach the cable in either 568A or 568B wiring
- Compatible with Molex C6A DataGate jacks in a two connector permanent link or channel configuration

Order No.	SAP No.	Description
KSJ-00079	Consult Molex	PowerCat 6A Tool-less shielded Keystone Jack, RJ45, 360°, 568A/B

## Copper Solutions PowerCat 6A Shielded



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 Patch Panel - Unloaded - 1U
KSJ-00064-**	Consult Molex	Keystone Blank

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



Euromod  
Wallplate  
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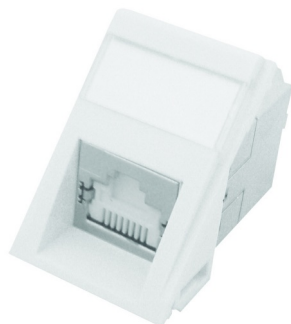
### PowerCat 6A Euromod II Module

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
MEU-00070-**	Consult Molex	PowerCat 6A Angled Side Entry Euromod II Module, RJ45 568A/B, Shielded

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



MOD-SNAP  
Wallplate  
Page 83

### PowerCat 6A MOD-SNAP III Module

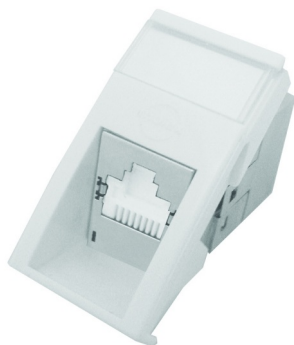
The MOD-SNAP III Module is ideal for UK floor box applications and may be used with the MOD-SNAP wallplate range. The module is supplied with a protected label facility and the angled design reduces patch cord bend radius. The product is shipped complete with the shielded C6A DataGate jack and the 38.5 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
MMS-00019-**	Consult Molex	PowerCat 6A Angled Side Entry MOD-SNAP III Module RJ45 568B, Shielded

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

## Copper Solutions PowerCat 6A Shielded



### 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 facility. 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
MLG-00034-**-	Consult Molex	PowerCat 6A 45 x 45mm Side Entry Module RJ45 568A/B
MLG-00035-**-	Consult Molex	PowerCat 6A 22.5 x 45mm Side Entry Module RJ45 568A/B

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



Termination Tool  
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### 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-**-	Consult Molex	PowerCat 6A 1 Port DIN Module Shielded
WNC-00045-**-	Consult Molex	PowerCat 6A 2 Port DIN Module Shielded
WNC-00050-**-	Consult Molex	PowerCat 6A Side Entry DIN Module 1 Port DataGate RJ45 568A/B Shielded
WNC-00051-**-	Consult Molex	PowerCat 6A Side Entry DIN Module 2 Port DataGate RJ45 568A/B Shielded

\*\* Color Options - 02 = White, 06 = Almond



Termination Tool  
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### 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-**-	183010004	PowerCat 6A Angled Contura RJ45 Module, 568A/B
MGB-00006-02	183010004	PowerCat 6A Angled Contura RJ45 Module, 568A/B Shielded - White

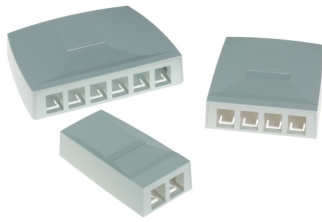
\*\* Color Options - 02 = White, 04 = Black



Contura  
Wallplate  
Page 83



## 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

DataGate Jacks  
Page 23

Fiber Modules  
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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	Consult Molex	PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded)
SBX-00006-02	18338002	PowerCat 5e 1 Port Synergy Surface Box RJ45 UTP White (loaded)
SBX-00005-02	181770326	PowerCat 6 1 Port Synergy Surface Box RJ45 White (loaded)

### 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
MMC-00020-**	Consult Molex	PowerCat 6A Side Entry MOD-Clip DataGate Jack, RJ45, 568A/B Shielded

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

## Copper Solutions PowerCat 6A Healthcare Solutions

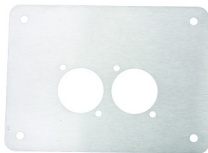


### Antimicrobial Wallplates & Patch Cords

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
- Third party tested to ISO 22196:2011

Order No.	SAP No.	Description
<b>Patch Cords</b>		
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
<b>Outlets &amp; Connectors</b>		
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



### 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
<b>Patch Cords</b>		
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
<b>Outlets &amp; Connectors</b>		
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

Products available from late summer 2021

## 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
<b>Compatible Euromod Outlets</b>		
MEU-00074-02	181240031	Euromod Bezel 25 x 50mm Unloaded White
KSJ-00062-02	183010003	DataGate Jack C6A Shielded White



## Copper Solutions PowerCat 6A Shielded IP67 Connectivity Solution



### 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

The Molex PowerCat 6 U/UTP cable supports high speed data networks such as Gigabit Ethernet (1000 Base-T/1000 Base-TX) and beyond. Pair twisting ensures optimum Return Loss and NEXT performance and maintains pair twist rate during installation. Cat 6 U/UTP cable incorporates central cross member maintaining pair separation during installation to ensure premium performance after installation.

- Supplied in convenient 500m reel in a box
- 23 AWG Conductors for improved Insertion Loss Performance
- Available in violet and gray sheaths for application versatility
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria

Order No.	SAP No.	Description
CAA-00302	181740038	PowerCat 6 U/UTP PVC Cable Eca - Gray
CAA-00305	181740056	PowerCat 6 U/UTP LS0H Cable Dca-s2,d2,a1 - Violet
CAA-00326	181740058	PowerCat 6 U/UTP PVC Cable Eca - Gray
CAA-00325	181740057	PowerCat 6 U/UTP LS0H Cable Dca-s2,d2,a1 - Violet
CAA-0336-VL	Consult Molex	PowerCat 6 LS0H Cable B2ca-s1a,d1,a1 - Violet



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

The Molex outside plant gel-filled Category 6 4 Pair U/UTP cable utilizes 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 ideal 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



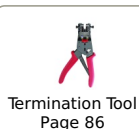
### PowerCat 6 UTP DataGate Jack

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
<b>Accessories</b>		
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. Standard stocked colors - Black and White. All colors subject to availability and variable pricing.



Termination Tool  
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### PowerCat 6 MOD-Clip DataGate Jack

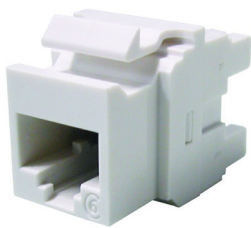
The MOD-Clip DataGate jack is designed to maintain clean secure connections. The RJ45 jack features a patented 'spring-loaded shutter' which protects it from dust and contaminants as well as provides tactile feedback - the spring-loaded shutter pops out an improperly seated patch cord - all with single-handed 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

## Copper Solutions PowerCat 6 Unshielded



### 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



4-Pair  
Termination Tool  
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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.

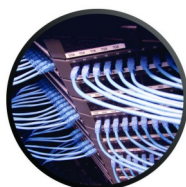


### PowerCat 6 Patch Panels

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

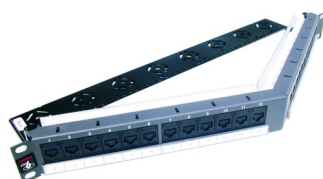
Order No.	SAP No.	Description
PID-00141	182040009	PowerCat 6 24 Port Patch Panel RJ45 568A/B UTP C6 - 1U
PID-00142	182040010	PowerCat 6 48 Port Patch Panel RJ45 568A/B UTP C6 - 2U
<b>Accessories</b>		
CSP-00021-**	Consult Molex	Blank Connector Icon Labels 6-Pack (Bag of 10)
CSP-00022-**	Consult Molex	Data Connector Icon Labels 6-Pack (Bag of 10)
CSP-00023-**	Consult Molex	Voice Connector Icon Labels 6-Pack (Bag of 10)



### 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 shelf ensures 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
PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U
PID-00260	180810033	PowerCat 48 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 2U
PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U
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.

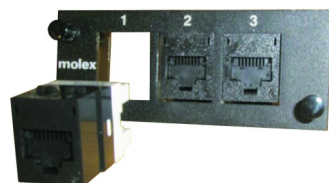
- 1U 24 Port
- Standard 19" rack mount
- Unloaded Keystone Aperture
- Universal front labeling system that accepts 13mm commercial labels for a professional appearance
- Accommodates PowerCat 6 and PowerCat UTP Keystone jacks

Order No.	SAP No.	Description
PID-00257	182960014	24 Port Keystone Patch Panel - Unloaded - 1U
KSJ-00064-**	Consult Molex	Keystone Blank

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



Keystone Jack  
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### 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.

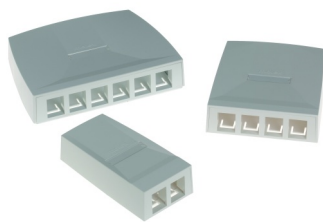
- Accommodates 3 x DataGate Jacks
- For use within Molex Multi-Functional or Specification Grade Fiber Panels
- Allows multi-media flexibility within a single enclosure/panel

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



Multi-Function  
Enclosure  
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## Copper Solutions PowerCat 6 Unshielded



### 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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Fiber Modules  
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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	Consult Molex	PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded)
SBX-00006-02	18338002	PowerCat 5e 1 Port Synergy Surface Box RJ45 UTP White (loaded)
SBX-00005-02	181770326	PowerCat 6 1 Port Synergy Surface Box RJ45 White (loaded)

### 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-**-02	Consult Molex	PowerCat 6 Angled MOD-SNAP III Module RJ45 568A/B UTP
MMS-00014-**-02	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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## Copper Solutions PowerCat 6 Unshielded



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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

### 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

Label holder  
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### 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

### 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-slug slim strain relief slip on boots.

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

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



## Copper Solutions PowerCat 6 Unshielded



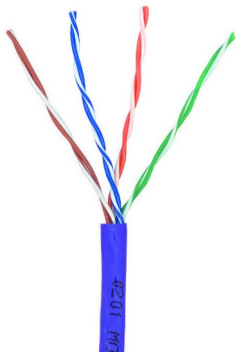
### PowerCat 6 Solid Cable Assemblies

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 LSOH Solid Cable to meet all requirements within LAN and Data Center environments.

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

Order No.	SAP No.	Description
<b>LSOH</b>		
PCD-00464-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Assembly LSOH Violet - 4m
PCD-00465-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Assembly LSOH Violet - 6m
PCD-00466-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Assembly LSOH Violet - 8m
PCD-00467-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Assembly LSOH Violet - 10m
PCD-00468-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Assembly LSOH Violet - 20m
PCD-00469-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Assembly LSOH Violet - 30m
PCD-00470-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Assembly LSOH Violet - 40m
<b>PVC</b>		
PCD-00456-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Gray 4m
PCD-00457-0E	Consult Molex	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
<b>LSOH Dca-s2,d2,a1</b>		
PCD-06000-0P	181880037	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 15m
PCD-06001-0P	181880038	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 25m
PCD-060021-0P	181880039	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 35m
PCD-00471-0P	181880032	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 50m
PCD-00472-0P	181880033	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 60m

## Copper Solutions PowerCat 5e Unshielded



### 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 violet and gray sheaths for application versatility
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria

Order No.	SAP No.	Description
39.A0360	181770242	PowerCat 5e U/UTP, PVC Cable, Eca - Gray - 305m
39-504-5E	181700098	PowerCat U/UTP C5e LS0H Cable, Dca-s2,d2,a1 - 305m Reel - Violet



### PowerCat DataGate Jacks

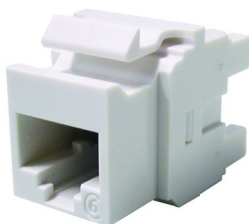
The DataGate jack is designed to maintain clean secure connections. The RJ45 jack features a patented 'spring-loaded shutter' which protects it from dust and contaminants as well as providing tactile feedback. The spring-loaded shutter pops out an improperly seated patch cord, all with single-handed 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 system of wallplates and surface blocks
- Compatible with Molex Unloaded DataGate Patch Panels



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 5e 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
- Molded category identification on jack face

Order No.	SAP No.	Description
KSJ-00032-**	Consult Molex	Keystone Jack, Category 5e, 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.

### 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
<b>Accessories</b>		
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

## Copper Solutions PowerCat 5e 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 shelf ensures 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
PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U
PID-00260	180810033	PowerCat 48 Port DataGate Flat Patch Panel, Unloaded UTP or Shielded - 2U
PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U
KSJ-00005-0*	Consult Molex	Single Position Blank Module (Bag of 25)

\* Color Options - 2 = White, 4 = Black



### 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 Patch Panel - Unloaded - 1U
KSJ-00064-**	Consult Molex	Keystone Blank

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

Keystone Jack  
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### 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.

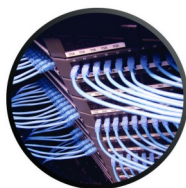
- Angled design
- Shuttered DataGate RJ45
- 24 Ports 1U & 48 Port 2U
- Category 5e performance
- EIA 568A/B wired
- Standard 19" rack mount
- Individually removable patch panel ports
- Integral cable management tray

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

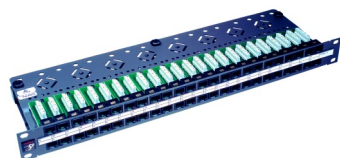


### PowerCat UTP High Density Patch Panels

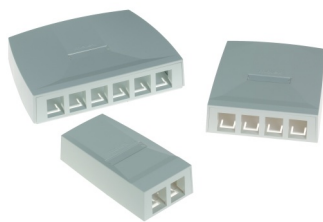
The PowerCat High Density Patch Panel is ideal for installations where cabinet/rack space is at a premium. Providing 48 ports in 1U, this patch panel offers an integral rear cable management tray specifically designed for neat and easy cable dressing. The front of the panel has a clear port labeling facility for site-specific network administration.

- PowerCat (Category 5e) performance
- 48 Ports 1U
- PCB mounted KATT IDC
- EIA 568B wired
- Standard 19" rack mounted
- Integral cable management tray
- Graphite gray finish

Order No.	SAP No.	Description
PID-00073	181820012	PowerCat 5e 48 Port High Density Patch Panel RJ45 56B UTP Category 5e 1U



## Copper Solutions PowerCat 5e Unshielded



### 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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Fiber Modules  
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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	Consult Molex	PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded)
SBX-00006-02	18338002	PowerCat 5e 1 Port Synergy Surface Box RJ45 UTP White (loaded)
SBX-00005-02	181770326	PowerCat 6 1 Port Synergy Surface Box RJ45 White (loaded)

### PowerCat UTP MOD-SNAP Modules

The PowerCat MOD-SNAP modular system provides a flexible and versatile method of installation, allowing the user the choice of installing as many data outlets as required. Providing a fascia size of 38.5 x 25mm (BT6C) MOD-SNAP modules are ideal for floorbox applications. The Molex Category 5e RJLP RJ45 connector offers a low profile, space saving design that enables easy installation in shallow backboxes and trunking.

- Fascia size 38.5 x 25mm (BT6C)
- Cut out dimension 37.5 x 22mm
- Category 5e RJ45 RJLP connector
- Space saving low profile design enables installation in shallow backboxes and trunking
- Spring-loaded shutter
- Protected labeling facility
- Compatible with MOD-SNAP wallplates
- Ideal for floorbox applications

Order No.	SAP No.	Description
42.1B.011.A003*	Consult Molex	PowerCat 5e MOD-SNAP RJLP Module RJ45 568B UTP - White
MMS-00014-0*	181170009	MOD-SNAP Module Blank - White

\* Color Options - 2 = White 4 = Black

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### PowerCat UTP Euromod Modules

The PowerCat Euromod module is part of the Euromod range of modular wall outlets featuring a 25 x 50mm fascia size. The product comes complete with a Category 5e, RJ45 RJLP connector.

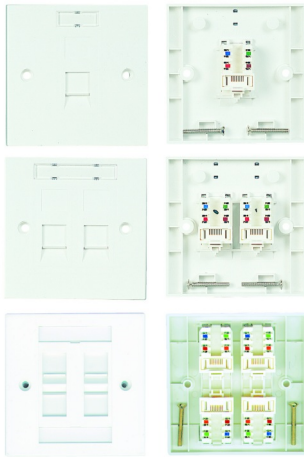
- 25 x 50mm fascia
- Enhanced performance RJ45 RJLP connector
- Space saving low profile design enables installation in shallow backboxes and trunking
- Spring-loaded shutter
- Protected labeling facility
- Compatible with Euromod wallplates

Order No.	SAP No.	Description
17.1B.011.A0042	182080033	PowerCat 5e Euromod RJLP Module RJ45 568B UTP - White
MEU-00019-02	182080034	PowerCat 5e Angled Euromod RJLP Module RJ45 568B UTP - White

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## Copper Solutions PowerCat 5e Unshielded

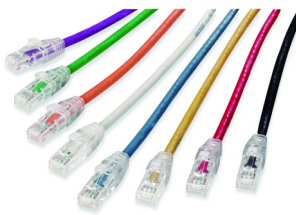


### Fixed Wallplates

Fixed wallplates are ideal for space-limited areas such as power-poles and desk-top trunking, or areas where an unchanging number of ports are to be installed and modularity is not required. The wallplates are a complete assembly and include the patented RJLP RJ45 connector, offering a low profile, space saving design that enables installation in shallow backboxes and trunking.

- UK standard 86 x 86mm fascia
- Category 5e RJ45 RJLP connector
- Spring-loaded shutters
- 1, 2 and 4 port options available
- EIA 568B wired

Order No.	SAP No.	Description
WNC-00007-02	182080074	PowerCat 5e 1 Port Fixed Shuttered Wallplate RJ45 568B UTP - White
WNC-00008-02	182080046	PowerCat 5e 2 Port Fixed Shuttered Wallplate RJ45 568B UTP - White
WNC-00009-02	182080127	PowerCat 5e 4 Port Fixed Shuttered Wallplate RJ45 568B UTP - White



### 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-snap slim strain relief slip on boots.

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

Order No.	SAP No.	Description
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.

# 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**

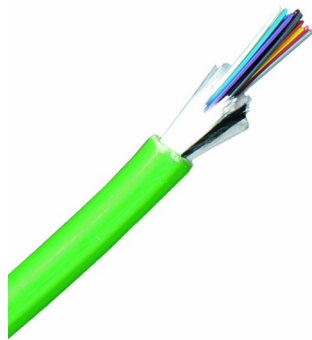
Our advanced manufacturing processes ensure our fiber products are built to the highest standards and meet or exceed all Telecommunication, CATV and Data Communication Industry standards.



### **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 OS1/2 standards. The outer jacket is LSOH, compliant with the EU Reaction to Fire regulation.

- 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
- LSOH sheaths
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria

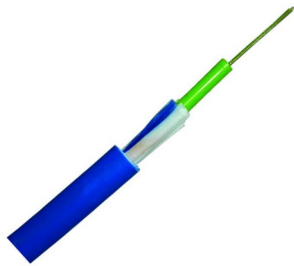
Order No.	SAP No.	Description
<b>OM2, EuroClass: Eca</b>		
CFR-00373	180580441	4-core Fiber Cable: OM2, EuroClass: Eca, color: Green
CFR-00374	180580441	6-core Fiber Cable: OM2, EuroClass: eca, color: Green
CFR-00375	180580441	8-core Fiber Cable: OM2, EuroClass: Eca, color: Green
CFR-00376	180580441	12-core Fiber Cable: OM2, EuroClass: Eca, color: Green
CFR-00378	180580445	24-core Fiber Cable: OM2, EuroClass: Eca, color: Green
<b>OM3, EuroClass: Bca-s1a,d1,a1</b>		
CFR-00687	183280004	4-core Fiber Cable: OM3, EuroClass: Bca-s1a,d1,a1, color: Aqua
CFR-00688	183280005	6-core Fiber Cable: OM3, EuroClass: Bca-s1a,d1,a1, color: Aqua
CFR-00689	183280006	8-core Fiber Cable: OM3, EuroClass: Bca-s1a,d1,a1, color: Aqua
CFR-00690	183280007	12-core Fiber Cable: OM3, EuroClass: Bca-s1a,d1,a1, color: Aqua
CFR-00691	183280008	24-core Fiber Cable: OM3, EuroClass: Bca-s1a,d1,a1, color: Aqua
<b>OM3, EuroClass: Cca-s1a,d1,a1</b>		
CFR-00493	180580677	4-core Fiber Cable: OM3, EuroClass: Cca-s1a,d1,a1, color: Aqua
CFR-00494	180580678	6-core Fiber Cable: OM3, EuroClass: Cca-s1a,d1,a1, color: Aqua
CFR-00495	180580679	8-core Fiber Cable: OM3, EuroClass: Cca-s1a,d1,a1, color: Aqua
CFR-00496	180580523	12-core Fiber Cable: OM3, EuroClass: Cca-s1a,d1,a1, color: Aqua
CFR-00497	180580640	24-core Fiber Cable: OM3, EuroClass: Cca-s1a,d1,a1, color: Aqua
<b>OM3, EuroClass: Eca</b>		
CFR-00380	180580449	4-core Fiber Cable: OM3, EuroClass: Eca, color: Green
CFR-00381	180580451	6-core fiber Cable: OM3, EuroClass: Eca, color: Green
CFR-00382	180580453	8-core Fiber Cable: OM3, EuroClass: Eca, color: Green
CFR-00383	180580454	12-core Fiber Cable: OM3, EuroClass: Eca, color: Green
CFR-00384	180580455	24-core Fiber Cable: OM3, EuroClass: Eca, color: Green
<b>OM4, EuroClass: Bca-s1a,d1,a1</b>		
CFR-00692	183280009	4-core Fiber Cable: OM4, EuroClass: Bca-s1a,d1,a1, color: Erika Violet
CFR-00693	183280010	6-core Fiber Cable: OM4, EuroClass: Bca-s1a,d1,a1, color: Erika Violet
CFR-00694	183280011	8-core Fiber Cable: OM4, EuroClass: Bca-s1a,d1,a1, color: Erika Violet
CFR-00695	183280012	12-core Fiber Cable: OM4, EuroClass: Bca-s1a,d1,a1, color: Erika Violet
CFR-00696	183280013	24-core Fiber Cable: OM4, EuroClass: Bca-s1a,d1,a1, color: Erika Violet
<b>OM4, EuroClass: Cca-s1a,d1,a1</b>		
CFR-00622	180580684	4-core Fiber Cable: OM4, EuroClass: Cca-s1a,d1,a1, color: Erika Violet
CFR-00623	180580685	6-core Fiber Cable: OM4, EuroClass: Cca-s1a,d1,a1, color: Erika Violet
CFR-00624	180580686	8-core Fiber Cable: OM4, EuroClass: Cca-s1a,d1,a1, color: Erika Violet
CFR-00625	183280003	12-core Fiber Cable: OM4, EuroClass: Cca-s1a,d1,a1, color: Erika Violet
CFR-00626	180580687	24-core Fiber Cable: OM4, EuroClass: Cca-s1a,d1,a1, color: Erika Violet
<b>OM4, EuroClass: Eca</b>		
CFR-00584	180580370	4-core Fiber Cable: OM4, EuroClass: Eca, color: Green
CFR-00585	180580371	6-core fiber Cable: OM4, EuroClass: Eca, color: Green
CFR-00586	180580372	8-core Fiber Cable: OM4, EuroClass: Eca, color: Green
CFR-00587	180580373	12-core Fiber Cable: OM4, EuroClass: Eca, color: Green
CFR-00589	180580375	24-core Fiber Cable: OM4, EuroClass: Eca, color: Green
<b>OM5, EuroClass: Cca-s1a,d1,a1</b>		
CFR-00712	183280019	4-core Fiber Cable: OM5, EuroClass: Cca-s1a,d1,a1, color: Lime Green
CFR-00713	183280020	6-core Fiber Cable: OM5, EuroClass: Cca-s1a,d1,a1, color: Lime Green
CFR-00714	183280021	8-core Fiber Cable: OM5, EuroClass: Cca-s1a,d1,a1, color: Lime Green
CFR-00715	183280022	12-core Fiber Cable: OM5, EuroClass: Cca-s1a,d1,a1, color: Lime Green
CFR-00716	183280023	24-core Fiber Cable: OM5, EuroClass: Cca-s1a,d1,a1, color: Lime Green



## Fiber Optic Solution Lightband Cable

Order No.	SAP No.	Description
<b>OM5, EuroClass: Bca-s1a,d1,a1</b>		
CFR-00717	183280024	4-core Fiber Cable: OM5, EuroClass: Bca-s1a,d1,a1, color: Lime Green
CFR-00718	183280025	6-core Fiber Cable: OM5, EuroClass: Bca-s1a,d1,a1, color: Lime Green
CFR-00719	183280026	8-core Fiber Cable: OM5, EuroClass: Bca-s1a,d1,a1, color: Lime Green
CFR-00720	183280027	12-core Fiber Cable: OM5, EuroClass: Bca-s1a,d1,a1, color: Lime Green
CFR-00721	183280028	24-core Fiber Cable: OM5, EuroClass: Bca-s1a,d1,a1, color: Lime Green
<b>OS2, EuroClass: Bca-s1a,d1,a1</b>		
CFR-00697	183280014	4-core Fiber Cable: OS2, EuroClass: Bca-s1a,d1,a1, color: Yellow
CFR-00698	183280015	6-core Fiber Cable: OS2, EuroClass: Bca-s1a,d1,a1, color: Yellow
CFR-00699	183280016	8-core Fiber Cable: OS2, EuroClass: Bca-s1a,d1,a1, color: Yellow
CFR-00700	183280017	12-core Fiber Cable: OS2, EuroClass: Bca-s1a,d1,a1, color: Yellow
CFR-00701	183280018	24-core Fiber Cable: OS2, EuroClass: Bca-s1a,d1,a1, color: Yellow
<b>OS2, EuroClass: Cca-s1a,d1,a1</b>		
CFR-00498	180580680	4-core Fiber Cable: OS2, EuroClass: Cca-s1a,d1,a1, color: Yellow
CFR-00499	180580678	6-core Fiber Cable: OS2, EuroClass: Cca-s1a,d1,a1, color: Yellow
CFR-00500	180580682	8-core Fiber Cable: OS2, EuroClass: Cca-s1a,d1,a1, color: Yellow
CFR-00501	180580285	12-core Fiber Cable: OS2, EuroClass: Cca-s1a,d1,a1, color: Yellow
CFR-00502	180580683	24-core Fiber Cable: OS2, EuroClass: Cca-s1a,d1,a1, color: Yellow
<b>OS2, EuroClass: Eca</b>		
CFR-00387	180580464	4-core Fiber Cable: OS2, EuroClass: Eca, color: Green
CFR-00388	180580466	6-core Fiber Cable: OS2, EuroClass: Eca, color: Green
CFR-00389	180580468	8-core Fiber Cable: OS2, EuroClass: Eca, color: Green
CFR-00390	180580469	12-core Fiber Cable: OS2, EuroClass: Eca, color: Green
CFR-00392	180580471	24-core Fiber Cable: OS2, EuroClass: Eca, color: Green

# 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 LSOH, compliant with EU Reaction to Fire regulation material.

- Loose tube
- Gel filled
- Glass strength member
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria

Order No.	SAP No.	Description
<b>OM2, EuroClass: Eca, color: Blue</b>		
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
<b>OM2, EuroClass: Bca-s1a,d1,a1, color: Aqua</b>		
CFR-00672	183150055	4-Core Fiber Cable
CFR-00673	183150056	6-Core Fiber Cable
CFR-00674	183150057	8-Core Fiber Cable
CFR-00675	183150058	12-Core Fiber Cable
CFR-00676	183150059	24-Core Fiber Cable
<b>OM3, EuroClass: Dca-s2-d1,a1, color: Aqua</b>		
CFR-00657	183150040	4-Core Fiber Cable
CFR-00658	183150041	6-Core Fiber Cable
CFR-00659	183150042	8-Core Fiber Cable
CFR-00660	183150043	12-Core Fiber Cable
CFR-00661	183150044	24-Core Fiber Cable
<b>OM3, EuroClass: Eca, color: Blue</b>		
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
<b>OM4, EuroClass: Bca-s1a,d1,a1, color: Erika Violet</b>		
CFR-00677	183150060	4-Core Fiber Cable
CFR-00678	183150061	6-Core Fiber Cable
CFR-00679	183150062	8-Core Fiber Cable
CFR-00680	183150063	12-Core Fiber Cable
CFR-00681	183150064	24-Core Fiber Cable
<b>OM4, EuroClass: Dca-s2-d1,a1, color: Erika Violet</b>		
CFR-00662	183150045	4-Core Fiber Cable
CFR-00663	183150046	6-Core Fiber Cable
CFR-00664	183150047	8-Core Fiber Cable
CFR-00665	183150048	12-Core Fiber Cable
CFR-00666	183150049	24-Core Fiber Cable
<b>OM4, EuroClass: Eca, color: Blue</b>		
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
<b>OM5, EuroClass: Dca-s2-d1,a1, color: Lime Green</b>		
CFR-00702	183150070	4-Core Fiber Cable
CFR-00703	183280071	6-Core Fiber Cable
CFR-00704	183280072	8-Core Fiber Cable
CFR-00705	183280073	12-Core Fiber Cable
CFR-00706	183280074	24-Core Fiber Cable
<b>OM5, EuroClass: B2ca-s1a,d1,a1, color: Lime Green</b>		
CFR-00707	183150075	4-Core Fiber Cable
CFR-00708	183280076	6-Core Fiber Cable
CFR-00709	183280077	8-Core Fiber Cable
CFR-00710	183280078	12-Core Fiber Cable
CFR-00711	183280074	24-Core Fiber Cable
<b>OS2, EuroClass: B2a-s1a,d1,a1, color: Yellow</b>		
CFR-00682	183150065	4-Core Fiber Cable
CFR-00683	183150066	6-Core Fiber Cable
CFR-00684	183150067	8-Core Fiber Cable
CFR-00685	183150068	12-Core Fiber Cable
CFR-00686	183150069	24-Core Fiber Cable
<b>OS2, EuroClassL Dc1-s2,d1,a1, color: Yellow</b>		
CFR-00667	183150050	4-Core Fiber Cable
CFR-00668	183150051	6-Core Fiber Cable
CFR-00669	183150052	8-Core Fiber Cable
CFR-00670	183150053	12-Core Fiber Cable
CFR-00671	183150054	24-Core Fiber Cable
<b>OS2, EuroClass: Eca, color: Blue</b>		
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 Optic Solution Lightband Cable



### Fiber Cable - Direct Burial Armored Loose Tube

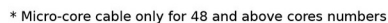
Molex Loose Tube Armored Fiber Cable is constructed of gel filled loose tubes (4-24 fibers). The core is water blocked, wrapped in polyester tape with an inner and outer MDPE sheath. Corrugated steel armoring makes the cable rodent resistant. The cable is designed for direct burial, outdoor data communication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

- Outdoor direct burial
- Corrugated steel armored
- Rodent resistant
- Gel filled loose tube construction
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria:Fca

Order No.	SAP No.	Description
<b>OM2 (50/125)</b>		
CFR-00544	Consult Molex	4-core Direct Burial Cable
CFR-00545	Consult Molex	6-core Direct Burial Cable
CFR-00546	Consult Molex	8-core Direct Burial Cable
CFR-00547	Consult Molex	12-core Direct Burial Cable
CFR-00548	Consult Molex	16-core Direct Burial Cable
CFR-00549	Consult Molex	24-core Direct Burial Cable
<b>OM3 (50/125)</b>		
CFR-00551	Consult Molex	4-core Direct Burial Cable
CFR-00552	Consult Molex	6-core Direct Burial Cable
CFR-00553	Consult Molex	8-core Direct Burial Cable
CFR-00554	Consult Molex	12-core Direct Burial Cable
CFR-00555	Consult Molex	16-core Direct Burial Cable
CFR-00556	Consult Molex	24-core Direct Burial Cable
<b>OS1/2 (9/125)</b>		
CFR-00558	Consult Molex	4-core Direct Burial Cable
CFR-00559	Consult Molex	6-core Direct Burial Cable
CFR-00560	Consult Molex	8-core Direct Burial Cable
CFR-00561	Consult Molex	12-core Direct Burial Cable
CFR-00562	Consult Molex	16-core Direct Burial Cable
CFR-00563	Consult Molex	24-core Direct Burial Cable

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.

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





## 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

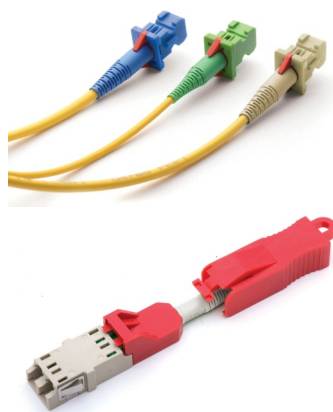
- 100% Factory Tested - Guaranteed performance
- LS0H Jacket Standard - Reduces toxic / corrosive gasses emitted during combustion. Plenum and PVC also available
- Multiple Formats available - Available in Simplex, Duplex, Singlemode, Multimode and a variety of connector options

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

9 1 . XX . XXX . XXXXX - X					
Family	Connectors	Fiber Type	Cable Type	Jacket Type	Length (meters)
	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	8 = G.657A2 (LS0H Jacket) = OS1/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	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 = 900um Semi Tight Buffered B = Armored 3.3mm Duplex C = Armored 3.3mm Simplex D = 2.4mm to 2.8mm (Uniboot cable)	1 = PVC 2 = LS0H 3 = Plenum	XXX=Length in meters 00A = 0.5 meter 00B = 1.5 meter 00C = 2.5 meter 00D = 3.5 meter 00E = 4.5 meter
					Special Code*
					(Blank)=default (none) S = 6 Colors Packed Pigtail T = 12 Colors Packed Pigtail
					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
					Insertion Loss Code
					0 = Standard Loss, Cross Over L = Low Loss, Cross Over 1 = Standard Loss, Parallel 2 = Low Loss, Parallel

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

## Fiber Optic Solution Lightband Patch Cords

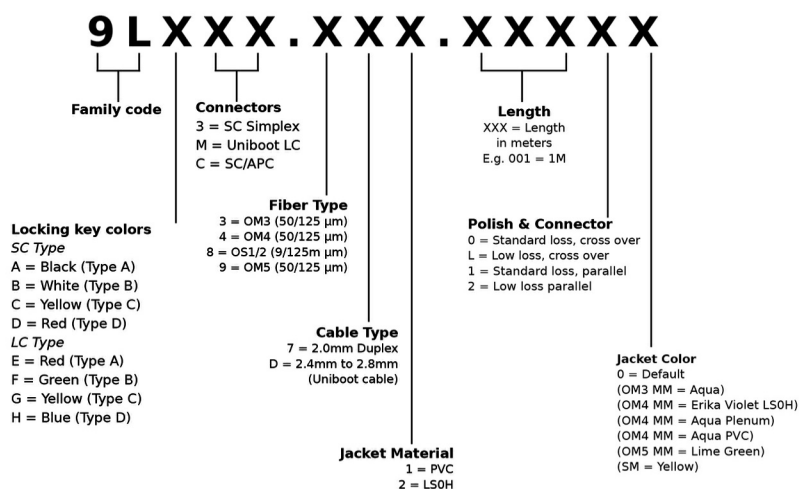


### Optical Fiber Locking Patch Cords

The Molex Optical Fiber Locking Patch Cords are designed to prevent unauthorized changes in highly sensitive applications. These highly sensitive applications include data centers and Secure IT networks where multiple physical layer classifications may exist. The especially designed SC and compact Uni-Body LC fit any industry compliant SC or LC adapter or active device port but cannot be disconnected without the use of a special extraction tool.

- LC locking patch cords:
- Once Secure LCs are connected, they can only be removed by using the keyed extraction tool
- 4 key combinations with separate colors
- Plugs into standard LC Duplex & Quad adapters and transceiver interfaces
- Compact Uni-body Duplex format
- The connector's boot color indicate fiber type and application SC locking patch cords:
- True locked connector security
- Multiple key configurations of access control and tamper-proofing
- Compatible with all industry standard passive and active SC ports
- Industry standard color coding of housings for easy identification and administration of Singlemode and Multimode Port

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



For example: To order Optical Fiber Patch Cord SC-SC Black Key OM3, LS0H, Aqua, 1 meter, the part number would be 9LA33.372.00100

Order No.	SAP No.	Description
OF-SC-KEY-A	18268-0053	Key (Type A) Optical Fiber Patch Cords Extraction, SC Type
OF-SC-KEY-B	18268-0054	Key (Type B) Optical Fiber Patch Cords Extraction, SC Type
OF-SC-KEY-C	18268-0055	Key (Type C) Optical Fiber Patch Cords Extraction, SC Type
OF-SC-KEY-D	18268-0056	Key (Type D) Optical Fiber Patch Cords Extraction, SC Type
OF-LC-KEY-E	18268-0057	Key (Type A) Optical Fiber Patch Cords Extraction, LC Type
OF-LC-KEY-F	18268-0058	Key (Type B) Optical Fiber Patch Cords Extraction, LC Type
OF-LC-KEY-G	18268-0059	Key (Type C) Optical Fiber Patch Cords Extraction, LC Type
OF-LC-KEY-H	18268-0060	Key (Type D) Optical Fiber Patch Cords Extraction, LC Type

## 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
<b>OM2 (50/125)</b>		
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
<b>OM3 (50/125)</b>		
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
<b>OM4 (50/125)</b>		
91.10.432.00100	Consult Molex	ST Pigtail, LS0H - 1m
91.30.432.00100	Consult Molex	SC Pigtail, LS0H - 1m
91.L0.432.00100	Consult Molex	LC Pigtail, LS0H - 1m
<b>OM5 (50/125)</b>		
91.L0.932.00100	Consult Molex	LC Pigtail, LS0H - 1m
<b>OS2 (9/125) G.657a2</b>		
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



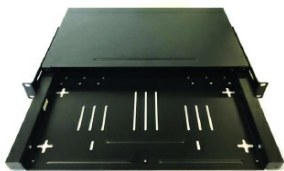
### UniBoot LC Push-Pull Reversible Polarity Patch Cords

The UniBoot LC Push-Pull Reversible Polarity Patch Cords are slim-line patch cords, ideal for extreme high density applications. Using a UniBoot with push pull rod patch cord provides a 50% space saving when compared to traditional zip cord optical patch cords. Ideal for data center, SAN, Enterprise/Campus and Telco central office applications.

- Full Duplex in a single 2mm G.657a2, OM3, OM4, OM5 cable
- Low loss available
- Polarity reversible
- Reduces space required in cable ways and racks improving access and HVAC performance
- LS0H sheath, OFNR, OFNP optional

Order No.	SAP No.	Description
91.PP.3D2.XXXL0	Consult Molex	Optical Fiber Patch Cords, UniBoot, Reversible Polarity, LC Push Pull-LC Push Pull, Multimode OM3, Low Loss, LS0H, XXX meter, Aqua
91.PP.4D2.XXXL0	Consult Molex	Optical Fiber Patch Cords, UniBoot, Reversible Polarity, LC Push Pull-LC Push Pull, Multimode OM4, Low Loss, LS0H, XXX meter, Erika Violet
91.PP.9D2.XXXL0	Consult Molex	Optical Fiber Patch Cords, UniBoot, Reversible Polarity, LC Push Pull-LC Push Pull, Multimode OM5, Low Loss, LS0H, XXX meter, Lime Green
91.PP.8D2.XXXL0	Consult Molex	Optical Fiber Patch Cords, UniBoot, Reversible Polarity, LC Push Pull-LC Push Pull, Singlemode G.657a2, Low Loss, LS0H, XXX meter, Yellow

## Fiber Optic Solution Lightband Rack Mount Solutions



RFR-00311-BK



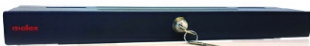
RFR-00311-BK



RFR-00311-BK



RFR-00311-BK & AFR-00534-AQ



RFR-00312-BK

### 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, OL = Beige

Order No.	SAP No.	Description
RFR-00311-BK	180370287	1U Multi-Function Fiber Enclosure Gen II
<b>Optional Enhancements</b>		
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
AFR-00363	180600141	6 Fiber Blank Plastic pack of 4
<b>Replacement Components</b>		
AFR-00470	180600217	Universal Splice Tray, 24 Fiber with built in Cable Management, 1U Global Enclosure (Self Adhesive, 2 x 12F trays per pack)
AFR-00472	180600219	Self-Adhesive Cable Management Hub (3 PC)
KFR-00034	Consult Molex	Kevlar Retention Clamp (1 PC)
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)
<b>RFR-00311-BK Specific FTTX Adapter Plates - LC</b>		
AFR-00791-BL	180600566	LC, 1x16 Fiber Adapter Plate, Loaded, Shuttered
AFR-00791-GR	180600572	LC, 1x16 Fiber Adapter Plate, Loaded, Shuttered
AFR-00790-BL	180600565	LC, 1x32 Fiber Adapter Plate, Loaded, Shuttered
AFR-00790-GR	180600571	LC, 1x32 Fiber Adapter Plate, Loaded, Shuttered
AFR-00763-BL	180600534	LC, 2x64 Fiber Adapter Plate, Loaded, Shuttered
AFR-00763-GR	180600558	LC, 2x64 Fiber Adapter Plate, Loaded, Shuttered
AFR-00787-BL	180600562	LC, 4x16 Fiber Adapter Plate, Loaded, Shuttered
AFR-00787-GR	180600568	LC, 4x16 Fiber Adapter Plate, Loaded, Shuttered
AFR-00786-BL	180600561	LC, 4x32 Fiber Adapter Plate, Loaded, Shuttered
AFR-00786-GR	180600567	LC, 4x32 Fiber Adapter Plate, Loaded, Shuttered
AFR-00766	180600537	LC, 4x64 Fiber Adapter Plate, PON 4F DLC X 64F, Unloaded
AFR-00762-BL	180600533	LC, 4x64 Fiber Adapter Plate, Loaded, Shuttered
AFR-00762-GR	180600557	LC, 4x64 Fiber Adapter Plate, Loaded, Shuttered
<b>RFR-00311-BK Specific Adapter Plates - LC Duplex</b>		
AFR-00735-OL	180600503	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2
AFR-00736-AQ	180600504	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4
AFR-00737-EV	180600505	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM4
AFR-00700-LG	180600470	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM5
AFR-00733-BL	180600501	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2



## Fiber Optic Solution Lightband Rack Mount Solutions

Order No.	SAP No.	Description
AFR-00640-OL	180600445	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00641-AQ	180600446	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00642-EV	180600447	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00696-LG	180600466	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00638-BL	180600443	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00745-OL	180600513	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2
AFR-00746-AQ	180600514	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4
AFR-00747-EV	180600515	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM4
AFR-00702-LG	180600472	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM5
AFR-00743-BL	180600511	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00605-OL	180600407	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00606-AQ	180600408	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00607-EV	180600409	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00689-LG	180600459	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00603-BL	180600405	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
<b>RFR-00311-BK Specific Adapter Plates - LC Quad</b>		
AFR-00650-OL	180600455	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00651-AQ	180600456	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00652-EV	180600457	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00698-LG	180600468	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00648-BL	180600453	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00755-OL	180600523	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2
AFR-00756-AQ	180600524	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4
AFR-00757-EV	180600525	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM4
AFR-00669-LG	180600458	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM5
AFR-00753-BL	180600521	LC Quad, 48 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00625-OL	180600427	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00626-AQ	180600428	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00627-EV	180600429	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00693-LG	180600463	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00623-BL	180600425	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00615-OL	180600417	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00616-AQ	180600418	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00617-EV	180600419	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00691-LG	180600461	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00613-BL	180600415	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
<b>RFR-00311-BK Specific Adapter Plates - LC/APC</b>		
AFR-00734-GR	180600502	LC/APC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00639-GR	180600444	LC/APC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00744-GR	180600512	LC/APC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00604-GR	180600406	LC/APC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00649-GR	180600454	LC/APC Quad, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00754-GR	180600522	LC/APC Quad, 48 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00624-GR	180600426	LC/APC Quad, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2

## Fiber Optic Solution Lightband Rack Mount Solutions

Order No.	SAP No.	Description
AFR-00614-GR	180600416	LC/APC Quad, 96 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
<b>RFR-00311-BK Specific FTTX Adapter Plates - SC</b>		
AFR-00801-BL	180600576	SC, 1x8 Fiber Adapter Plate, Loaded, Shuttered
AFR-00801-GR	180600580	SC, 1x8 Fiber Adapter Plate, Loaded, Shuttered
AFR-00800-BL	180600575	SC, 1x16 Fiber Adapter Plate, Loaded, Shuttered
AFR-00800-GR	180600579	SC, 1x16 Fiber Adapter Plate, Loaded, Shuttered
AFR-00765-BL	180600536	SC, 1x32 Fiber Adapter Plate, Loaded, Shuttered
AFR-00765-GR	180600560	SC, 1x32 Fiber Adapter Plate, Loaded, Shuttered
AFR-00799-BL	180600574	SC, 2x8 Fiber Adapter Plate, Loaded, Shuttered
AFR-00799-GR	180600578	SC, 2x8 Fiber Adapter Plate, Loaded, Shuttered
AFR-00798-BL	180600573	SC, 2x16 Fiber Adapter Plate, Loaded, Shuttered
AFR-00798-GR	180600577	SC, 2x16 Fiber Adapter Plate, Loaded, Shuttered
AFR-00764-BL	180600535	SC, 2x32 Fiber Adapter Plate, Loaded, Shuttered
AFR-00764-GR	180600559	SC, 2x32 Fiber Adapter Plate, Loaded, Shuttered
AFR-00769	180600540	SC, 2x32 Fiber Adapter Plate, Unloaded
AFR-00730-OL	180600498	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2
AFR-00731-AQ	180600499	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4
AFR-00732-EV	180600500	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM4
AFR-00699-LG	180600469	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM5
AFR-00728-BL	180600496	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00635-OL	180600440	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00636-AQ	180600441	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00637-EV	180600442	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00695-LG	180600465	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00633-BL	180600438	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00600-OL	180600402	SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00601-AQ	180600403	SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00602-EV	180600404	SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00598-BL	180600392	SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
<b>RFR-00311-BK Specific Adapter Plates - SC Duplex</b>		
AFR-00740-OL	180600508	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2
AFR-00741-AQ	180600509	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4
AFR-00742-EV	180600510	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM4
AFR-00701-LG	180600471	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM5
AFR-00738-BL	180600506	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00645-OL	180600450	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00646-AQ	180600451	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00647-EV	180600452	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00697-LG	180600467	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00643-BL	180600448	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00750-OL	180600518	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2
AFR-00751-AQ	180600519	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4
AFR-00752-EV	180600520	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM4
AFR-00703-LG	180600473	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM5
AFR-00748-BL	180600516	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00620-OL	180600422	SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00621-AQ	180600423	SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00622-EV	180600424	SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00692-LG	180600462	SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00618-BL	180600420	SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2

## Fiber Optic Solution Lightband Rack Mount Solutions

Order No.	SAP No.	Description
AFR-00630-OL	180600435	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00631-AQ	180600436	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00632-EV	180600437	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00694-LG	180600464	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00628-BL	180600433	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00610-OL	180600412	SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2
AFR-00611-AQ	180600413	SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4
AFR-00612-EV	180600414	SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM4
AFR-00690-LG	180600460	SC Duplex 48 Fiber Adapter Plate, Unshuttered, Multimode, OM5
AFR-00608-BL	180600410	SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
<b>RFR-00311-BK Specific Adapter Plates - SC/APC</b>		
AFR-00729-GR	180600497	SC/APC Simplex, 6 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00634-GR	180600439	SC/APC Simplex, 6 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00599-GR	180600393	SC/APC Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00739-GR	180600507	SC/APC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00644-GR	180600449	SC/APC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00749-GR	180600517	SC/APC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2
AFR-00619-GR	180600421	SC/APC Duplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00629-GR	180600434	SC/APC Duplex, 36 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
AFR-00609-GR	180600411	SC/APC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2
<b>RFR-00311-BK Specific FTTX Adapter Plates - ST &amp; FC</b>		
AFR-00467-04	180600432	ST Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode/Multimode
AFR-00465-04	180600431	FC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode
AFR-00464-04	180600430	FC Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode
<b>DataGate and Synergy Compatible 6 Fiber Plates</b>		
AFR-00440	183190029	6 Fiber Plate, 3XDG Module, Unequipped
AFR-00441	183190030	6 Fiber Shielded Plate, 3XDG Module, Unequipped

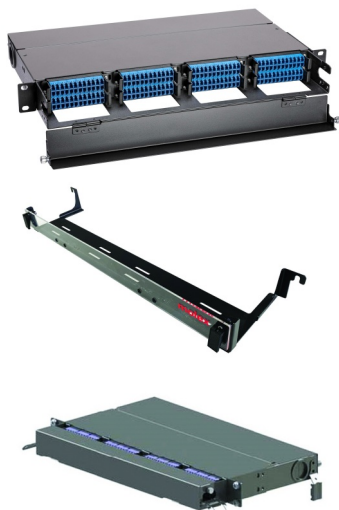
Colors: AQ = Aqua, GR = Green, BL = Blue, EV = Erika Violet, LG = Lime Green, OL = Beige

### 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
KFR-00034	Consult Molex	Kevlar Retention Clamp (1 pc)
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

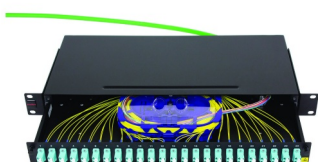


### Xtreme Density System Gen II

The Molex Xtreme Density Fiber Enclosures are ideal for high density applications. 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-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-10144	180660086	HD 1 RU Enclosure 12x12F Cassette Capacity MPO/LC 144F
XFR-14401	181810263	HD 12F Cassette Capacity MPO/LC OS2 Low Loss
XFR-14402	181810264	HD 12F Cassette Capacity MPO/LC OM3 Low Loss
XFR-14403	181810265	HD 12F Cassette Capacity MPO/LC OM4 Low Loss
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-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



### 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 fibre installations on a budget, the Utility Fiber Enclosure includes only the essential features for the connection, protection and management of up to 48 fibres 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  
Page 56



Universal Splice  
Tray  
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Fiber Optic Solution Lightband Rack Mount Solutions

IMAGE  
COMING  
SOON



DIN Rail Mountable Enclosure

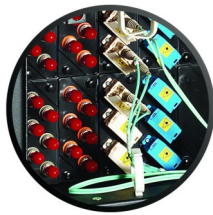
An effective solution for industrial networks inside control panels and distribution cabinets where DIN mounted equipment is used. The DIN rail mount enclosure mounts to standard 35mm DIN rails and accepts any 6-PAK plate. Accommodates copper, fiber and multi-media modules to support most applications. It is designed to protect the fiber bend radius in shallow enclosures where space is a premium and can be side stackable to grow with your networking changes.

- 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
- Knock-out features to provide multi cable entrance to allow cable to enter from different directions
- Compatible with any 6-PAK plate. Universal foot print to support all existing plates
- Splicing protector holder included to provide better splicing point and fiber protection
- Rugged steel construction in powered coating black finish

Order No.	SAP No.	Description
WFR-00081	180670019	DIN rail 6-PAK enclosure, unloaded, black

Products available from late summer 2021

## Fiber Optic Solution Lightband Enclosures



Modular Splice  
Cassettes  
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### 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.

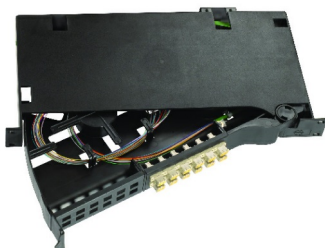
- Standard 19" rack mount
- Lightweight, lockable, and removable aluminium hinged front and rear doors provide security
- Externally mounted cable strain relief bracket mounts to accommodate cable routing from above or below
- Labeling incorporated on hinged, drop-down metal front door
- 1U Fiber Enclosure - 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

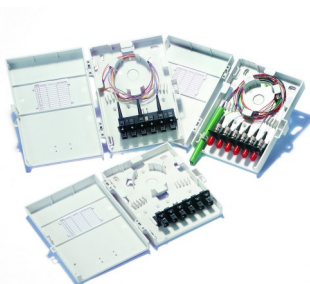
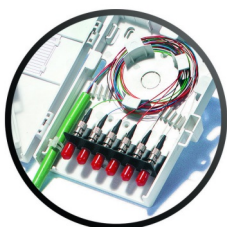


Order No.	SAP No.	Description
RFR-00205	180660017	Swing-Out Fiber Panel Chassis - 1U
RFR-00206	180660018	Swing Out Fiber Panel Front Plate Blank
RFR-00207	180660019	Swing Out Fiber Panel Shuttered Front Plate 6 Duplex SC SM
RFR-00208	180660020	Swing Out Fiber Panel Shuttered Front Plate 6 SC MM
RFR-00209	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-00011-02	180970010	6 Port ST 601 Enclosure, Singlemode
WFR-00015-02	180970011	24 Port MTP 601 Enclosure, Singlemode/Multimode
WFR-00025-02	180970013	8 Port ST 601 Enclosure, Multimode
WFR-00026-02	180970014	8 Port ST 601 Enclosure, Singlemode
WFR-00028-02	180970016	8 Port Duplex SC 601 Enclosure, Multimode
WFR-00029-02	180970017	8 Port Duplex SC 601 Enclosure, Singlemode
WFR-00031-02	180970008	12 Port MT-RJ 601 Enclosure, Singlemode/Multimode
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



AFR-00338



AFR-00337

AFR-00334

AFR-00335



AFR-00470



KFR-00052

### 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
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/pag), 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.)

### Wall Mount Steel Enclosure

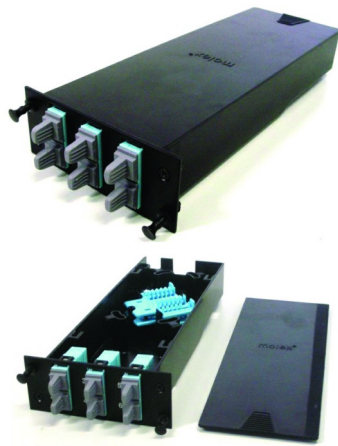
This secure wall-mounted steel enclosure has 12 ports that can accommodate 24 fiber DSC/48 fiber QLC in a minimum of space. Its design guarantees that all of the media will be protected and proper fiber bend radius is maintained.

- 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



### 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

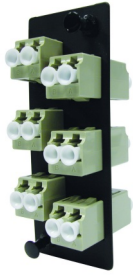
Order No.	SAP No.	Description
<b>6 Fiber Singlemode</b>		
AFR-00382	Consult Molex	6 Fiber Singlemode OS1/OS2 ST
AFR-00382L	Consult Molex	6 Fiber Singlemode G.657a2 ST Low Loss
AFR-00340	Consult Molex	6 Fiber Singlemode G.657a2 Duplex SC Blue
AFR-00340L	Consult Molex	6 Fiber Singlemode G.657a2 Duplex 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
<b>6 Fiber Multimode</b>		
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
<b>12 Fiber Singlemode</b>		
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
<b>12 Fiber Multimode</b>		
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
<b>24 Fiber Singlemode</b>		



## 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
<b>24 Fiber Multimode</b>		
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
<b>Accessories</b>		
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.

- RoHS Compliant
- 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 Singlemode Adapter Plate
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-00360	180600138	SC Duplex 6 Fiber Multimode Adapter Plate - Beige
AFR-00372	180600150	SC Duplex 6 Fiber Multimode OM3 Adapter Plate - Aqua
AFR-00500	180600246	SC Duplex 6 Fiber Multimode OM4 Adapter Plate - 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 OS1/2 Blue
AFR-00675-LG	180600482	6 Fiber Shuttered Duplex SC Adapter Plate OM5 Lime Green
AFR-00229	180600100	6 Fiber Shuttered Duplex SC/APC Adapter Plate OS1/2 Green
AFR-00311	180600078	6 Fiber Shuttered Duplex SC Adapter Plate OM3 Aqua



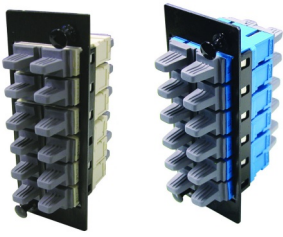
### 6 Fiber Angled Adapter Plates

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-EV	180600310	6 Fiber Angled Duplex SC Adapter Plate, OM4 Multimode - Erika Violet
AFR-00182	180600129	6 Fiber Angled Duplex SC Adapter Plate, Multimode
AFR-00548-EV	180600310	6 Fiber Angled Duplex SC Adapter Plate, OM4 - Erika Violet
AFR-00183	180600116	6 Fiber Angled Duplex SC Adapter Plate, Singlemode
AFR-00185	180600131	6 Fiber Angled ST Adapter Plate, Singlemode

## Fiber Optic Solution Lightband Adapter Plates

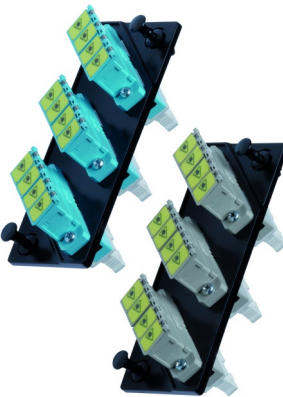


### 12 Fiber Adapter Plates

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-00366	180600144	LC Duplex 12 Fiber Multimode Adapter Plate - Beige
AFR-00376	180600154	LC Duplex 12 Fiber Multimode OM3 Adapter Plate - Aqua
AFR-00376-EV	180600305	LC Duplex 12 Fiber Adapter Plate, Multimode - Erika Violet
AFR-00679-LG	180600486	LC Duplex, 12 Fiber Adapter Plate, Multimode, OM5 Lime Green
AFR-00362	180600140	SC Duplex 12 Fiber Adapter Plate, Multimode - Beige
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



### 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-00370	180600148	LC Quad 12 Fiber Multimode Adapter Plate - Beige
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-00379	180600157	LC Quad 24 Fiber Singlemode OS1 Adapter Plate - Blue
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



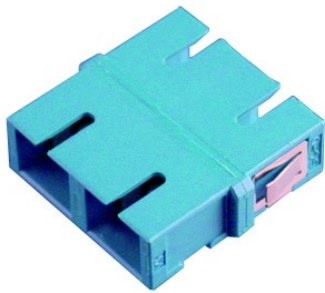
### High Density MPO/MTP Adapter Plate

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 Adapters

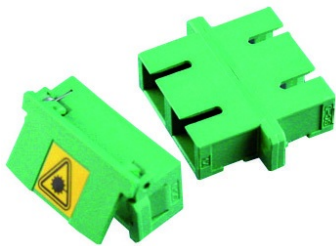


### Duplex SC Adapters

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
<b>Unshuttered</b>		
18282-0037	182820037	SC/SC Duplex Singlemode Zirconia Flange Mount Unshuttered - Blue
18282-0103	182820103	SC/SC Duplex Multimode Zirconia Flange Mount Unshuttered - Beige
18282-0104	182820104	SC/SC Duplex Multimode Zirconia Flange Mount Unshuttered - Aqua
18282-0107	182820107	SC/SC Duplex Multimode Zirconia Flange Mount 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
18282-0188	182820188	SC/SC Shuttered Duplex Zirconia Flange Mount Shuttered - Green



### Duplex SC/APC Adapters

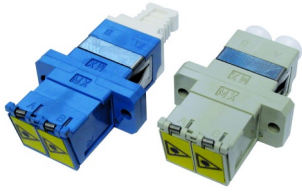
Duplex SC/APC adapters feature either a snap or flange mount and are designed for use with Angled Polish Connectors.

- 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
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 Adapters



### 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%.

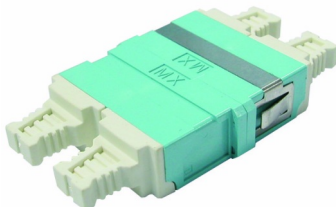
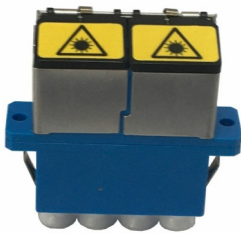
- Unique shuttered feature protects from harmful light emissions - Available upon application

Order No.	SAP No.	Description
18282-0112	182820112	LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Beige
18282-0117	182820117	LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Beige
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
106127-1610	182820185	LC Shuttered Duplex, Snap Mount, Multimode, OM3/4, Zirconia Alignment Sleeve- Aqua
106127-1400	Consult Mole	LC Shuttered Duplex, Singlemode, OS1 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 OS1 Zirconia Ceramic Flange Mount - Green
106127-1450	Consult Molex	LC Shuttered Duplex SM OS1 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	Duplex LC Singlemode OS1/2 Shuttered Adapter - Blue
106127-0310	1061277030	Duplex LC Multimode OM1/2 Shuttered Adapter - Beige
106127-0350	1061270350	Duplex LC Multimode OM3 Shuttered Adapter - Aqua

### 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 Phosphor Bronze alignment sleeves
- Unique shuttered feature protects from harmful light emissions - Available upon application



Order No.	SAP No.	Description
18282-0122	182820122	LC 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 OS1/2 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 Adapters



## 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 either precise zirconia ceramic, rugged phosphor bronze or cost-effective polymer alignment sleeves.

- Metal or polymer body
- Zirconia, phosphor bronze and polymer 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

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



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### 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



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### 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, SC or MT-RJ fiber connectivity and supports OM1, OM2, OM3, OM4, OM5, OS1 and OS2 applications.**



## Pre-terminated Solutions



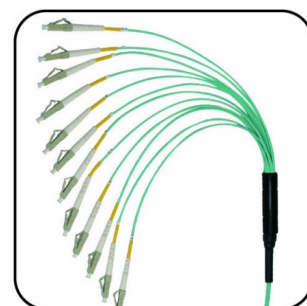
### Easy Installation

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 laser optimized OM and OS cables offer industry-leading low insertion loss.

## Pre-Terminated Solutions ModLink Fiber Plug and Play

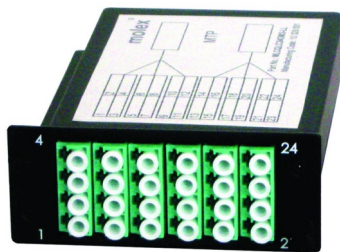


### 12 Port LC ModLink Cassettes

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 OS1/2, 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
<b>Duplex SC</b>		
MLCDSC12OM3L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM3 50µm Multimode, Low Loss
MLCDSC12OM4L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM4 50µm Multimode, Low Loss
MLCDSC12OM5	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM5 Multimode
MLCDSC12OM5L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM5 Multimode, Low Loss
MLCDSC12OS2L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OS1/2 Singlemode
<b>Duplex LC</b>		
MLCDLC12OM3L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM3 50µm Multimode, Low Loss
MLCDLC12OM4L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM4 50µm Multimode, Low Loss
MLCDLC12OM5	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM5 Multimode
MLCDLC12OM5L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM5 Multimode, Low Loss
MLCDLC12OS2L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OS1/2 Singlemode
<b>Quad LC</b>		
MLCQLC12OM3L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM3 50µm Multimode, Low Loss
MLCQLC12OM4L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM4 50µm Multimode, Low Loss
MLCQLC12OM5	Consult Molex	12 Port ModLink Cassette, Quad LC, OM5 Multimode
MLCQLC12OS2L	Consult Molex	12 Port ModLink Cassette, Quad LC, OS1/2 Singlemode



### 24 Port Quad LC ModLink Cassettes

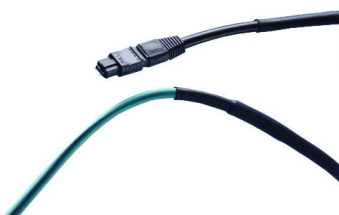
ModLink Cassettes provide a cost-effective, quick and easy fiber system for backbone and to-the-desk applications. 24 Port Quad LC ModLink Cassettes provide premium factory-controlled optical performance, enabling flexible system configuration and fast, economical installation. Simply plug the cable 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 OS1/2, 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 Multimode
MLCQLC24OM3L	Consult Molex	24 Port ModLink Cassette, Quad LC, OM3, 50µm, Multimode, Low Loss
MLCQLC24OM4L	Consult Molex	24 Port ModLink Cassette, Quad LC, OM4, 50µm, Multimode, Low Loss
MLCQLC24OM5	Consult Molex	24 Port ModLink Cassette, Quad LC, OM5 Multimode
MLCQLC24OM5L	Consult Molex	24 Port ModLink Cassette, Quad LC, OM5, Multimode, Low Loss
MLCQLC24OS2L	Consult Molex	24 Port ModLink Cassette, Quad LC, OS2, Singlemode, 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.

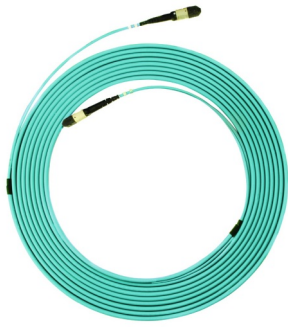
- Industry-leading low insertion loss (0.35dB Maximum Insertion Loss for Laser optimized OM3/4/5 and OS1/2 Cables, 0.10dB Typical)
- ModLink advanced fiber optic cables are 100% tested
- Pulling eyes installed to protect the assembly during installation
- 3.0mm or 4.5mm o.d.
- Standard and Low Loss versions 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 is available on Molex Customer Support Portal: [csp.molex.com](http://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	Length (meters)	Euro Class
	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	001 = 1 meter 00A = 0.5 meter 00B = 1.5 meter 00C = 2.5 meter 00D = 3.5 meter 00E = 4.5 meter	B = Bca LS0H C = Cca LS0H D = Dca LS0H E = Eca LS0H F = Fca LS0H
	Polarity Method/Gender	Fiber Type	Jacket Color
	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)	2 = OM1 62.5/125µm 4 = OS1/2 9/125µm 4L = OS1/2 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	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



## Pre-Terminated Solutions ModLink Fiber Plug and Play



### Hybrid Pre-Terminated Cable Assemblies -

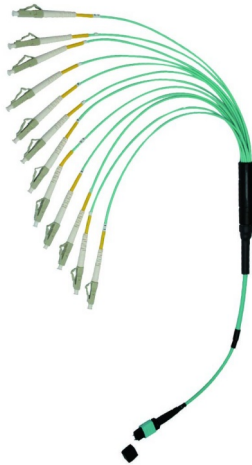
Molex Pre-Terminated Fiber Optic Cable Assemblies offer premium factory-controlled optical performance on a variety of connectors that enable fast, economical installation. Pre-Terminated Cable Assemblies are ideal for mission-critical backbone applications such as data center tie cables and low optical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

- Available in: Low Loss: OS1/2, OM3/4/5  
Standard Loss: OS1/2, 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 is available on Molex Customer Support Portal: [csp.molex.com](http://csp.molex.com).

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

9MAABCCDEEFFGHHIIJ											
Family											
Fiber Count											
8-99											
AX = 100-109											
BX = 110-119											
CX = 120-129											
DX = 130-139											
EX = 140-144*											
Like 144F=E4											
		Polarity								Sheath Type	
		A = Method A								A = LS0H	
		B = Method B								B = Bca LS0H	
		C = Method C*								C = Cca LS0H	
		D = Method D**								E = Eca LS0H	
		* Only For 12&24F MTP Connector								F = Fca LS0H	
		**Only For 24F MTP Connector								R = OFNR	
										P = OFNP	
Connector Type for End A & End B											
A = 12 Fiber Low Loss Male		Fiber Type								Length (meters)	
B = 12 Fiber Low Loss Female		1 = OM1		Tail Length for End A & End B						001 = 1m	
C = 12 Fiber Std Loss Male		2 = OM2		0 = 0m*						00A =0.5m	
D = 12 Fiber Std Loss Female		3 = OM3		1 = 1m						00B =1.5m	
J = 8 Fiber Low Loss Male		4 = OM4		2 = 2m						00C =2.5m	
K = 8 Fiber Low Loss Female		5 = OM5		3 = 3m						00D =3.5m	
L = 8 Fiber Std Loss Male		8 = OS1/2		A = 4.5m						00E =4.5m	
M = 8 Fiber Std Loss Female		9 = G.657A2		B = 0.5m							
1 = 24 Fiber Low Loss Male				*0 only for single MTP Connector end							
2 = 24 Fiber Low Loss Female											
3 = 24 Fiber Std Loss Male											
4 = 24 Fiber Std Loss Female											
Tail Configuration, End A & End B										Sheath Color	
A = 3mm/5mm Ruggedized Even*										0 = Default Color:	
B = 3mm Ruggedized Fan Staggered 30mm										OM1 = Orange	
C = 3mm Ruggedized Fan Staggered 50mm										OM2 = Gray	
D = 3mm Ruggedized Fan Staggered 100mm										OM3 = Aqua	
E = 3mm Ruggedized Fan Staggered 150mm										OM4 = Erika Violet (LS0H)	
* 5mm tail only for Single MTP Connector End										OM4 = Aqua(Plenum&PVC)	
										OM5 = Lime Green	
										OS1/2 = 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	

## 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.

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Standard Loss: OS1/2, 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 is available on Molex Customer Support Portal: [csp.molex.com](http://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										
<b>Hybrid OF MTP- X Cables</b>			<b>8-144 Core Count</b>		<b>Fiber Type</b>		<b>Tail length at MTP end/X end</b>		<b>Length (meters)</b>	
<b>MTP Side Connector</b>			<b>Side Connector</b>		<b>Tail configuration at MTP end*/X end</b>		<b>Glands and Pulling Eye</b>		<b>Sheath Color</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 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			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 P = LC Duplex LL Q = LC Simplex LL R = SC Simplex LL S = SC Duplex LL T = ST LL V = FC LL		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		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		001 = 1m 00A = 0.5m 00B = 1.5m 00C = 2.5m 00D = 3.5m 00E = 4.5m	
									<b>Sheath Type</b>	
									A = LS0H B = Bca LS0H C = Cca LS0H D = Dca LS0H E = Eca LS0H F = Fca LS0H R = OFNR P = OFNP	
									0 = Default OM1 = Orange OM2 = Gray OM3 = Aqua OM4 = Erika Violet (LS0H) OM4 = Aqua (Plenum&PVC) OM5 = Lime Green OS1/2 = 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	

## Pre-Terminated Solutions ModLink Fiber Plug and Play



### LumaLink MTP Optical Trace Cable Assembly

LumaLink Optical Trace Cable Assemblies with high-density MTP connectors. Full illumination of the entire cable facilitates advanced cable management by providing 100% visual identification of start and endpoints, slack storage locations and routing. A magnetic power connection which allows the illumination of the cable, from origin to endpoint, making specific cables easily.

- MTP 12F assembly
- 100% tested
- End to End 100% visual identification
- Magnetic power connection
- Support high density application

Order No.	SAP No.	Description
Z91-000131-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity B Female to Female OM4 50/125m - XXXmts
Z91-000132-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity C Female to Female OM4 50/125m - XXXmts
Z91-000133-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity A Female to Female OM4 50/125m - XXXmts
Z91-000134-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity B Male to Female OM4 50/125m - XXXmts
Z91-000135-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity C Male to Female OM4 50/125m - XXXmts
Z91-000136-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity A Male to Female OM4 50/125m - XXXmts
Z91-000137-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity B Male to Male OM4 50/125m - XXXmts
Z91-000138-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity C Male to Male OM4 50/125m - XXXmts
Z91-000139-XXX	Consult Molex	12 Core MTP-MTP Trace Cable Assembly Polarity A Male to Male OM4 50/125m - XXXmts

# 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

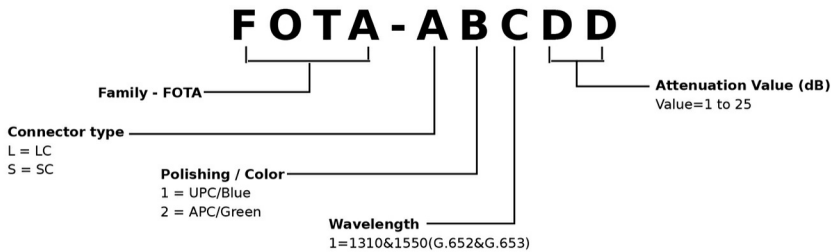


Attenuator

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
- High reliable
- ROHS compliant

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



Other specifications can be made on customer request



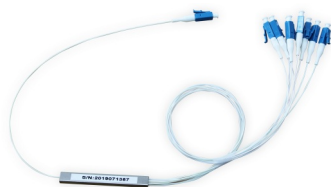
Modular Splitter Box

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

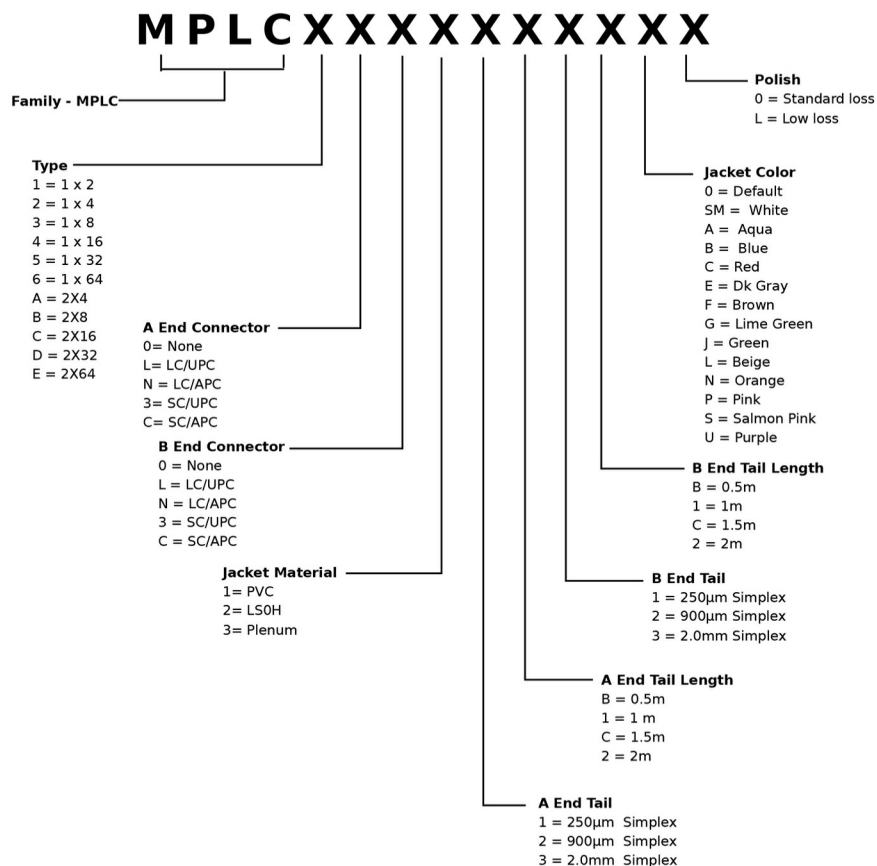


### PLC Splitter

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

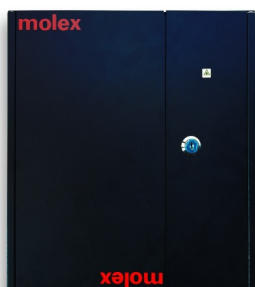
Part No. Matrix - Substitute the correct code number or letter to determine the assembly construction



### Wall-Mounted Steel Enclosure

This secure wall-mounted steel enclosure has 12 ports that can accommodate 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

## Fiber Optic Solution Lightband Passive Optical Networks



### 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
- ROHS compliant

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
- ROHS compliant

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

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

Order No.	SAP No.	Description
AFODZ0010S2	Consult Molex	1 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.652D
AFODZ0017a1	Consult Molex	1 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.657a1
AFODZ0017a2	Consult Molex	1 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.657a2
AFODZ0020S2	Consult Molex	2 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.652D
AFODZ0027a1	Consult Molex	2 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.657a1
AFODZ0027a2	Consult Molex	2 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.657a2
AFODZ0030S2	Consult Molex	3 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.652D
AFODZ0037a1	Consult Molex	3 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.657a1
AFODZ0037a2	Consult Molex	3 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.657a2
AFODZ0040S2	Consult Molex	4 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.652D
AFODZ0047a1	Consult Molex	4 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.657a1
AFODZ0047a2	Consult Molex	4 Fiber All Dielectric 250µm FTTH Flat Drop Cable G.657a2

### 1-2 port Fiber Wall Outlet

The Molex Fiber outlet available in 1 & 2 ports modular and loaded with Single Mode Simplex Couplers

- Applicable for FTTH, FTTO and FTTD applications
- Wall outlet with 2 positions SC Simplex with shutters
- 4 different cable entries
- Label for marking included

Order No.	SAP No.	Description
AFR-00549	180600323	2 Port Fiber Wall Outlet, Unloaded, White
AFR-00443	Consult Molex	1 Port Fiber Wall Outlet Box - loaded with 1 SC Simplex SM Adapter
AFR-00444	Consult Molex	2 Port Fiber Wall Outlet Box - loaded with 2 SC Simplex SM Adapter
AFR-00445	Consult Molex	1 Port Fiber Wall Outlet Box - unloaded
AFR-00446	Consult Molex	2 Port Fiber Wall Outlet Box - unloaded

IMAGE  
COMING  
SOON

IMAGE  
COMING  
SOON



## Fiber Optic Solution Lightband Passive Optical Networks



### Fiber Optic Cross Connection Outdoor Cabinet

Outdoor optical equipment that is designed for outdoor optical nodes in access networks.

- High intensity and anti-erosion performance
- Able to counter abrupt climate change and extreme environment
- Capacity can be flexibly customized as required
- Installation is quick and convenient
- Built-in direct splice unit is capable for providing direct connection function
- Perfect design of fiber wiring routing could facilitate management and maintenance of fibers
- With secure and reliable fastening and grounding protection devices for the optic fiber
- Applicable to strap-shaped and non-strap shaped fibers

Order No.	SAP No.	Description
RAA-00388	181020366	Fiber Optic Cross Connection Outdoor Cabinet, 288F
RAA-00389	181020367	Fiber Optic Cross Connection Outdoor Cabinet, 576F
RAA-00390	181020368	Fiber Optic Cross Connection Outdoor Cabinet, 144F

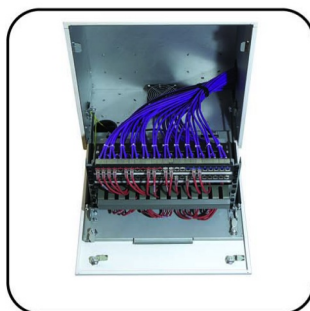
# Disruption in the work area >



**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.**

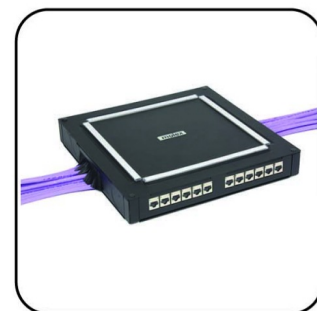


## Zone Enclosures & Consolidation Points



### In-Ceiling Enclosures

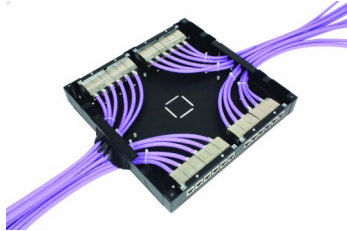
Robust and versatile products designed to house passive and active network equipment in a conveniently located, drop/suspended ceiling space to service a local work area or zone.



### 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 and Consolidation Points



### 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	180080078	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)
<b>Accessories</b>		
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 fibre 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 includes 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
<b>Accessories</b>		
RAA-F-1W	181040122	Fan Unit 230V
CMA-00113	180150012	Spare Key (1)
CMA-00114	180140065	Cable Entry Grommets (Pk of 4)
CMA-00115	180140066	Spare Fabric Filters (Pk of 3)

Products available from late summer 2021



# 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**

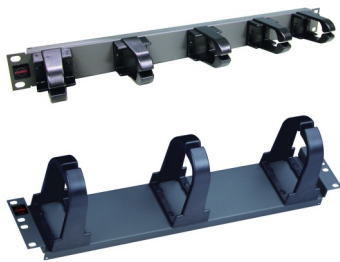
Available in different ring sizes for different cable densities. Flexible rings for convenient operation.



### **High Density Patching**

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

## Cable Management Solutions



### Ring Run Panels

Cable Management Panels provide cable dressing during installation or changes and an organized format for system maintenance. Panels are comprised of black Lexan rings mounted on graphite gray 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.B016G	180320002	Ring Run
25.B035G	180320007	Deep Ring Run
25.B018G	Consult Molex	Blank Panels
25.A029G	Consult Molex	Cable Brush Tidy
25.C001G	Consult Molex	Panel 1U with cover



### 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

# 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.

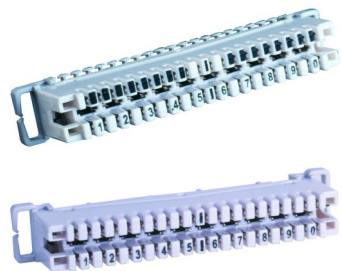


### 50 Port Voice Panel

The 50 Port 1U Voice Panels are a cost-effective product range designed to utilize the minimum of rack/cabinet space to support 2, 25 or 50 pair cables in a voice backbone. Supporting two or three pair connectivity for analogue or digital telephone services, the panels feature logical port numbering for easy configuration of the pairs (3-6, 4-5), using dual color coded (568A/B) KATT IDC connectors. 19" rack mountable, the panel features an integral rear management tray.

- 50 Port 1U
- Category 3 compliant
- Integral cable management tray
- 19" rack mountable
- Full range of Telco cable assemblies available

Order No.	SAP No.	Description
PID-00145	182040013	50 Port Voice Panel RJ45 UTP 1U - Pairs 3/6, 4/5



### 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
DCN-00002	182030002	10 Pair Connection Module



### 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



### 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



### 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
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
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



### 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 Mosaic 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

### 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.



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

## Outlet Configuration Solutions



### 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



### 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

Order No.	SAP No.	Description
17.C0012	181770001	Unlabelled Three Port Euromod Wallplate, 114mm x 71mm x 9mm - Unloaded
17-0101-02	Consult Molex	Euromod Single Gang Wallplate, 50mm x 50mm, No Labeling Facility
17-0102-02	Consult Molex	Euromod Double Gang Wallplate, 50mm x 100mm, No Labeling Facility
17-0111-02	181390001	Euromod Single Gang Wallplate, 50mm x 50mm, Labeling Facility
17-0112-02	181390002	Euromod Double Gang Wallplate, 50mm x 100mm, Labeling Facility
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



Euromod Modules  
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### 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

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 Modules  
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### 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



# 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

Molex terminations tools offer faultless termination for either DataGate 4 or Category 6 systems.



### 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.



### DataGate 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
31.0013	Consult Molex	Termination Head C6A



### Termination Tools and Terminating Puck

The IDC Punchdown Tool provides reliable terminations and is compatible with 110 Style. The Punch-Down Terminating Puck is a handy twisted pair termination aid that works with Molex RJ45 DataGate jacks.

- Low-impact termination force
- Scissor style cut off
- Wire cutting immobilizer switch
- Light-weight impact resistant handle
- Universal IDC compatibility

Order No.	SAP No.	Description
KPD-00087	181980070	Category 6 110 Style Multi-Pair Termination Tool with Head and Handle
31-001	180380001	110 Punchdown Termination Tool
CSP-00018-04	180400053	Punchdown Terminating Puck (Black)

### 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



## Order No. Reference

Order No.	SAP No.	Description	Page
106123-0200	1061230200	LC Shuttered Quad, Singlemode OS1/2 Adapter - Blue	56
106123-1200	1061231200	LC Shuttered Quad Multimode OM1/2 Adapter - Beige	56
106123-3200	1061233200	LC Shuttered Quad, Multimode OM3 Adapter - Aqua	56
106127-0310	1061277030	Duplex LC Multimode OM1/2 Shuttered Adapter - Beige	56
106127-0350	1061270350	Duplex LC Multimode OM3 Shuttered Adapter - Aqua	56
106127-0410	Consult Molex	LC Shuttered Duplex, Multimode OM1/OM2, Zirconia Snap Mount - Beige	56
106127-1300	1061271300	Duplex LC Singlemode OS1/2 Shuttered Adapter - Blue	56
106127-1300A	1061271300A	LC Shuttered Duplex, Singlemode, Zirconia Alignment	56
106127-1310A	1061271310A	LC Shuttered Duplex, Multimode, Zirconia Alignment Sleeve	56
106127-1350	Consult Molex	LC Shuttered Duplex SM OS1 Zirconia Ceramic Flange Mount - Green	56
106127-1400	Consult Mole	LC Shuttered Duplex, Singlemode, OS1 Zirconia Ceramic Snap Mount - Blue	56
106127-1450	Consult Molex	LC Shuttered Duplex SM OS1 Zirconia Ceramic Snap Mount - Green	56
106127-1610	182820185	LC Shuttered Duplex, Snap Mount, Multimode, OM3/4, Zirconia Alignment Sleeve- Aqua	56
16.A0012	180070055	22.5 x 45mm Blank Module - White	27
17-0101-02	Consult Molex	Euromod Single Gang Wallplate, 50mm x 50mm, No Labeling Facility	83
17-0102-02	Consult Molex	Euromod Double Gang Wallplate, 50mm x 100mm, No Labeling Facility	83
17-0111-02	181390001	Euromod Single Gang Wallplate, 50mm x 50mm, Labeling Facility	83
17-0112-02	181390002	Euromod Double Gang Wallplate, 50mm x 100mm, Labeling Facility	83
17-0412-02	180060060	Euromod Quarter (12.5 x 50mm) Blank - White	27, 82, 83
17-0413-02	181370005	Euromod Half (25 x 50mm) Blank - White	27, 82, 83
17-0414-02	180060062	Euromod Full (50 x 50mm) Blank - White	27, 82, 83
17.1B.011.A0042	182080033	PowerCat 5e Euromod RJLP Module RJ45 568B UTP - White	31
17.A0162	181210015	25 x 50mm Duplex SC Module, Multimode - 1 Adapter	58
17.A0172	181210014	25 x 50mm Duplex SC Module, Singlemode - 1 Adapter	58
17.A0182	182620006	25 x 50mm Duplex SC-ST Module, Multimode - 1 Adapter	58
17.A0192	182620007	25 x 50mm Duplex SC-ST Module, Singlemode - 1 Adapter	58
17.A0202	184000467	25 x 50mm Shuttered Duplex SC Module, Multimode - 1 Adapter	58
17.A0212	184000466	25 x 50mm Shuttered Duplex SC Module, Singlemode - 1 Adapter	58
17.A0222	182620008	25 x 50mm Shuttered Duplex SC-ST Module, Multimode - 1 Adapter	58
17.C0012	181770001	Unlabelled Three Port Euromod Wallplate, 114mm x 71mm x 9mm - Unloaded	83
18282-0037	182820037	SC/SC Duplex Singlemode Zirconia Flange Mount Unshuttered - Blue	55
18282-0038	182820038	SC/SC Duplex Singlemode Zirconia Snap Mount Unshuttered - Blue	55
18282-0039	182820039	SC/SC APC Duplex Singlemode Zirconia Flange Mount Unshuttered - Green	55
18282-0040	182820040	SC/SC APC Duplex Singlemode Zirconia Snap Mount Unshuttered - Green	55
18282-0045	182820045	LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Blue	56
18282-0046	182820046	LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Blue	56
18282-0047	182820047	LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Green	56
18282-0048	182820048	LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Green	56
18282-0053	182820053	LC Quad, Zirconia Alignment Sleeve, Flange Mount - Blue	56
18282-0065	182820065	ST/ST Adapter, Singlemode/Multimode, Metal Body, Zirconia Sleeve	57
18282-0089	182820089	LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Erika Violet	56
18282-0092	182820092	LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Erika Violet	56
18282-0103	182820103	SC/SC Duplex Multimode Zirconia Flange Unshuttered - Beige	55
18282-0104	182820104	SC/SC Duplex Multimode Zirconia Flange Unshuttered - Aqua	55
18282-0107	182820107	SC/SC Duplex Multimode Zirconia Flange Unshuttered - Erika Violet	55
18282-0108	182820108	SC/SC Duplex Multimode Zirconia Snap Mount Unshuttered - Beige	55
18282-0109	182820109	SC/SC Duplex Multimode Zirconia Snap Mount Unshuttered - Aqua	55
18282-0111	182820111	SC/SC Duplex Multimode Zirconia Snap Mount Unshuttered - Erika Violet	55
18282-0112	182820112	LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Beige	56
18282-0113	182820113	LC Unshuttered Duplex, Flange Mount, Zirconia Alignment Sleeve - Aqua	56
18282-0117	182820117	LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Beige	56
18282-0118	182820118	LC Unshuttered Duplex, Snap Mount, Zirconia Alignment Sleeve - Aqua	56
18282-0122	182820122	LC Quad, Zirconia Alignment Sleeve, Flange Mount - Beige	56
18282-0188	182820188	SC/SC Shuttered Duplex Zirconia Flange Mount Shuttered - Green	55
25.A029G	Consult Molex	Cable Brush Tidy	78
25.B016G	180320002	Ring Run	78
25.B018G	Consult Molex	Blank Panels	78
25.B035G	180320007	Deep Ring Run	78
25.C001G	Consult Molex	Panel 1U with cover	78
31-001	180380001	110 Punchdown Termination Tool	86
31.0010	Consult Molex	4 Pair Termination Tool Frame, UTP - MOD-Clip Jack only	86
31.0011	Consult Molex	4 Pair Termination Tool Frame	86
31.0012	Consult Molex	Termination Head UTP	86
31.0013	Consult Molex	Termination Head C6A	86
33A-100-10	180390011	SLT3S Tester (Master and Slave Units) with 9 Volt battery	86
35-X002	Consult Molex	Label holder and label pack (100) for Euromod/MOD-SNAP C5e	83
35-X003	Consult Molex	Label holder and label pack (250) for Euromod Wallplate	83
35-X004	Consult Molex	Label holder and label pack (100) for C5e Fixed Wallplates	83
39-504-5E	181700098	PowerCat U/UTP C5e LS0H Cable, Dca-s2,d2,a1 - 305m Reel - Violet	29
39.A0360	181770242	PowerCat 5e U/UTP, PVC Cable, Eca - Gray - 305m	29
42-311-02	181400006	Single Gang MOD-SNAP 1 Aperture - 86 x 86mm	82, 83
42-312-02	181400005	Single Gang MOD-SNAP 2 Aperture - 86 x 86mm	82, 83
42-314-02	181400008	Double Gang MOD-SNAP 4 Aperture - 86 x 146mm	82, 83
42.1B.011.A003*	Consult Molex	PowerCat 5e MOD-SNAP RJLP Module RJ45 568B UTP - White	31
91.10.332.00100	180610082	ST Pigtail, LS0H - 1m	42
91.10.432.00100	Consult Molex	ST Pigtail, LS0H - 1m	42
91.10.532.00100	180610081	ST Pigtail, LS0H - 1m	42
91.10.832.00100	180610080	ST Pigtail, LS0H - 1m	42
91.30.332.00100	180610093	SC Pigtail, LS0H - 1m	42
91.30.432.00100	Consult Molex	SC Pigtail, LS0H - 1m	42
91.30.532.00100	180610091	SC Pigtail, LS0H - 1m	42
91.30.832.00100	180610095	SC Pigtail, LS0H - 1m	42
91.A0860	Consult Molex	Gland 4-8mm M20	43, 46
91.A0870	Consult Molex	Gland 6-12mm M20	43, 46
91.A0880	Consult Molex	Gland 9-14mm M20	43, 46
91.L0.332.00100	180610094	LC Pigtail, LS0H - 1m	42
91.L0.432.00100	Consult Molex	LC Pigtail, LS0H - 1m	42
91.L0.532.00100	180610092	LC Pigtail, LS0H - 1m	42
91.L0.832.00100	180610096	LC Pigtail, LS0H - 1m	42



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91.L0.932.00100	Consult Molex	LC Pigtail, LS0H - 1m	42
91.MM.372.YYYL0	Consult Molex	Optical Fiber Patch Cords, LC Uniboot-LC Uniboot, Multimode OM3, Low Loss, LS0H - Aqua	42
91.MM.472.YYYL0	Consult Molex	Optical Fiber Patch Cords, LC Uniboot-LC Uniboot, Multimode OM4, Low Loss, LS0H - Erika Violet	42
91.MM.872.YYYL0	Consult Molex	Optical Fiber Patch Cords, LC Uniboot-LC Uniboot, Singlemode OS2 G.657a2, Low Loss, LS0H - Yellow	42
91.MM.972.YYYL0	Consult Molex	Optical Fiber Patch Cord LC Uniboot - LC Uniboot OM5 Low Loss LS0H- Lime Green	42
91.PP.3D2.XXXL0	Consult Molex	Optical Fiber Patch Cords, Uniboot, Reversible Polarity, LC Push Pull-LC Push Pull, Multimode OM3, Low Loss, LS0H, XXX meter, Aqua	42
91.PP.4D2.XXXL0	Consult Molex	Optical Fiber Patch Cords, Uniboot, Reversible Polarity, LC Push Pull-LC Push Pull, Multimode OM4, Low Loss, LS0H, XXX meter, Erika Violet	42
91.PP.8D2.XXXL0	Consult Molex	Optical Fiber Patch Cords, Uniboot, Reversible Polarity, LC Push Pull-LC Push Pull, Singlemode G.657a2, Low Loss, LS0H, XXX meter, Yellow	42
91.PP.9D2.XXXL0	Consult Molex	Optical Fiber Patch Cords, Uniboot, Reversible Polarity, LC Push Pull-LC Push Pull, Multimode OM5, Low Loss, LS0H, XXX meter, Lime Green	42
AFR-00001	180600027	Universal Splicing Tray *	50
AFR-00182	180600129	6 Fiber Angled Duplex SC Adapter Plate, Multimode	53
AFR-00182-EV	180600310	6 Fiber Angled Duplex SC Adapter Plate, OM4 Multimode - Erika Violet	53
AFR-00183	180600116	6 Fiber Angled Duplex SC Adapter Plate, Singlemode	53
AFR-00185	180600131	6 Fiber Angled ST Adapter Plate, Singlemode	53
AFR-00222	180600069	Universal Splice Tray Carrier Kit	49
AFR-00222L	Consult Molex	Universal Splice Tray Mounting Bracket	49
AFR-00229	180600100	6 Fiber Shuttered Duplex SC/APC Adapter Plate OS1/2 Green	53
AFR-00311	180600078	6 Fiber Shuttered Duplex SC Adapter Plate OM3 Aqua	53
AFR-00334	180690050	5 Fiber Mechanical Splice Holder	50
AFR-00335	180690051	6 Fiber Fusion Splice Holder	50
AFR-00336	180690052	Universal Splice Tray - 24 Fibers	50
AFR-00337	180690053	12 Fiber Fusion Splice Holder	50, 51
AFR-00338	180690054	Universal Splice Tray - Unloaded	50
AFR-00340	Consult Molex	6 Fiber Singlemode G.657a2 Duplex SC Blue	51
AFR-00340L	Consult Molex	6 Fiber Singlemode G.657a2 Duplex SC Blue Low Loss	51
AFR-00341	Consult Molex	6 Fiber Multimode OM1 Duplex SC Beige	51
AFR-00342	Consult Molex	6 Fiber Multimode OM2 BI Duplex SC Beige	51
AFR-00343	Consult Molex	6 Fiber Multimode OM3 BI Duplex SC Aqua	51
AFR-00343L	Consult Molex	6 Fiber Multimode OM3 BI Duplex SC Aqua Low Loss	51
AFR-00344	Consult Molex	12 Fiber Singlemode G.657a2 Duplex SC Blue	51
AFR-00344L	Consult Molex	12 Fiber Singlemode G.657a2 Duplex SC Blue Low Loss	51
AFR-00345	Consult Molex	12 Fiber Multimode OM1 Duplex SC Beige	51
AFR-00346	Consult Molex	12 Fiber Multimode OM2 BI Duplex SC Beige	51
AFR-00347	Consult Molex	12 Fiber Multimode OM3 BI Duplex SC Aqua	51
AFR-00347L	Consult Molex	12 Fiber Multimode OM3 BI Duplex SC Aqua Low Loss	51
AFR-00348	Consult Molex	12 Fiber Singlemode G.657a2 Duplex LC Blue	51
AFR-00348L	Consult Molex	12 Fiber Singlemode G.657a2 Duplex LC Blue Low Loss	51
AFR-00349	Consult Molex	12 Fiber Multimode OM1 Duplex LC Beige	51
AFR-00350	Consult Molex	12 Fiber Multimode OM2 BI Duplex LC Beige	51
AFR-00351	Consult Molex	12 Fiber Multimode OM3 BI Duplex LC Aqua	51
AFR-00351L	Consult Molex	12 Fiber Multimode OM3 BI Duplex LC Aqua Low Loss	51
AFR-00352	Consult Molex	24 Fiber Singlemode G.657a2 Quad LC Blue	51
AFR-00352L	Consult Molex	24 Fiber Singlemode G.657a2 Quad LC Blue Low Loss	51
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