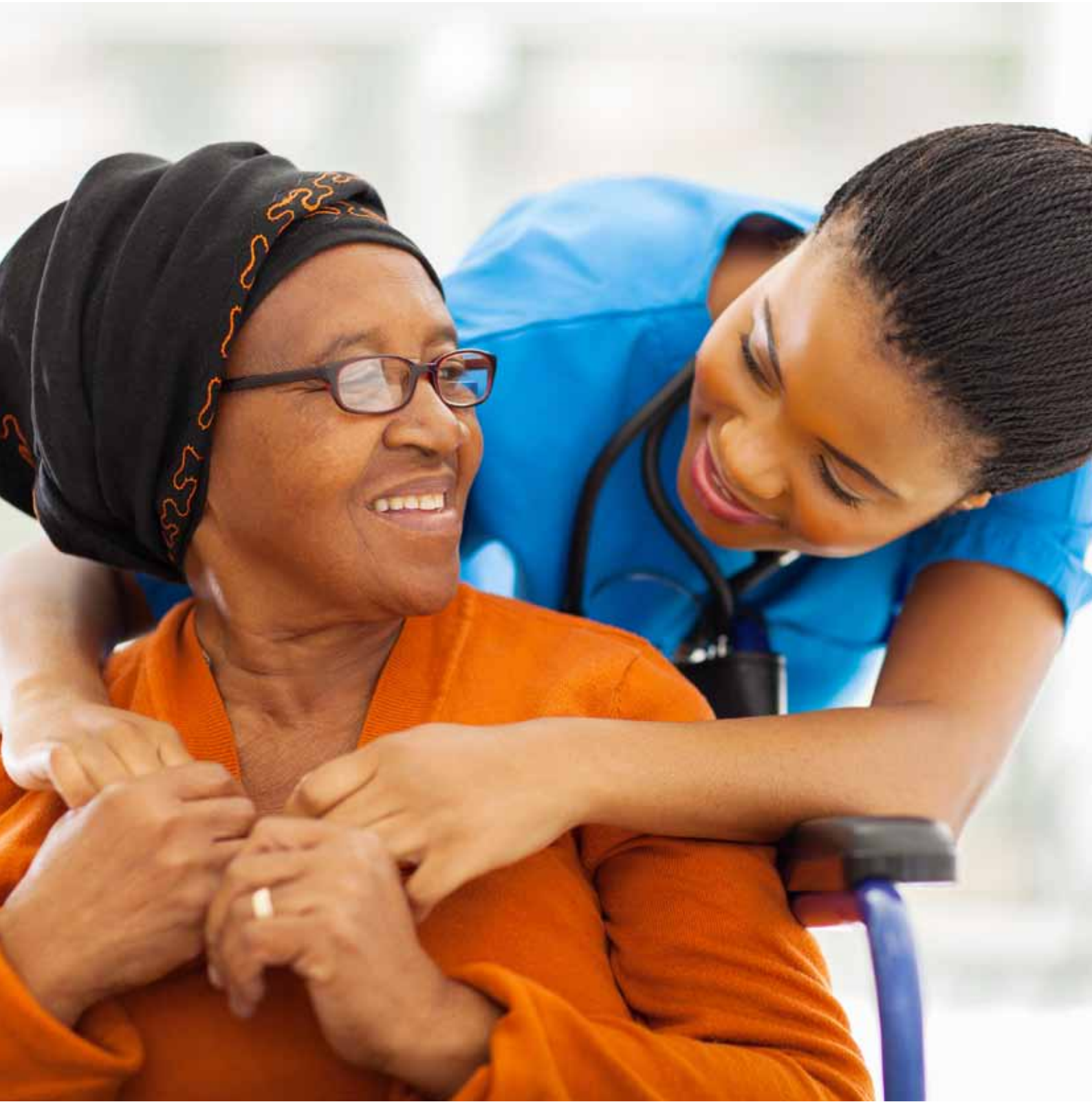


# PRODUCT AND SOLUTIONS GUIDE

## Connected Enterprise Solutions

### Western Europe/Middle East





*Connecting Data* >  
*Connecting Users*  
**Delivering Compassion**

**molex**

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## **Connected Buildings Simply Solved >**

**From commercial centres, manufacturing, government departments to healthcare and education, your network designs will perform better and last longer with Molex technology.**

**As a premier provider of revolutionary new and comprehensive network technologies we offer, end-to-end structured cabling solutions including copper and fiber that connect businesses to their mission critical applications.**



## Transforming the way global businesses approach IT infrastructure

### Partner of Choice

Molex has specialised in the design and manufacturing of high quality products that enable connected enterprises for over 30 years.

We apply the latest production techniques and have invested in sophisticated manufacturing equipment to ensure consistent high quality products and fast response to customer requirements.

With regional offices in over 10 countries including UK, Poland, America, China, UAE, Australia and India, plus direct trade into more than 100 countries, we have cemented our position as a world-class solutions provider.

Molex CES is part of the Molex group (a subsidiary of Koch Industries). We are a globally recognised provider of electronic solutions in a wide range of industries, including data communications, consumer electronics, industrial, automotive, commercial vehicle and medical.

We have design and manufacturing facilities around the world, with an expert team of problem-solvers who work across borders to help bring your vision to life. We lead the industry in R&D investment, striving to develop and deliver innovative, high-quality, reliable solutions that can be customized to meet your needs.

Together, we can turn your vision into reality.

### Why Choose Molex?

- Part of Molex, LLC with revenue of \$4 billion+ and 40,000 employees
- Certified to all the key international approvals
- Product Lifetime guarantee
- Trust, integrity & support
- Localised customer service worldwide

# Connected Buildings Simply Solved >



## 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.



**Comply** with all relevant environmental, health and safety compliance obligations

**Operate** our facilities in a way that considers the efficient use of natural resources and provides a safe and healthy workplace. Develop products that minimize environmental impact



**Continually** improve our environmental, health and safety performance and operations

**Advise** Molex employees and business partners of the importance of adhering to this Policy

**Reduce** or eliminate emissions and discharges through pollution prevention activities: Prevent injury and illness through management practices

**Educate** employees to work in an environmentally responsible and safe manner

## Molex Accreditation

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.

## Product Lifetime Guarantee

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.





## Training Courses

Your organisational needs continuously evolve, and your Molex CES products and services help you keep pace with operational demands. Our growing training portfolio can help optimise your team's proficiency. Increase the return on your investment with our versatile training solutions and best practices from our expert instructors and designers.

Visit and register at the Molex customer service portal, access link from <http://csp.molex.com>.

## Software Tools

Three essential software tools for system consultants and advisers.

- Cable Fill Rate estimator, used to calculate different widths and types of cable and how many you will be able to fit in cable pathways
- Consultant Proposal Generator
- BoM Estimator

These tools can be found by visiting and registering at the Molex customer service portal, access link from <http://csp.molex.com>.

## Data centers

Data centers are a critical resource for many businesses, as reliance on digitally stored information grows. Molex Structured Cabling delivers:

- The performance, reliability and uptime data centers demand
- Consistent quality, from design and procurement through deployment and routine moves, adds and changes

## Manufacturing & Industrial

Harsh conditions can complicate IT infrastructure in manufacturing and industrial settings. Molex Structured Cabling:

- Certified for reliability and durability
- Offers incremental savings with minimal risk
- Broad product range to meet the diverse needs of our customers while maintaining a focus on robust and reliable solution

## Education

Education is going digital and global, with webinars, video conferencing and on-demand content. Molex Structured Cabling helps:

- High-traffic networking with reliable uptimes
- Top quality at a cost-effective price

## Healthcare

The growing volumes of patient records, imaging and video consultations must be delivered quickly and securely throughout the growing healthcare ecosystem. Molex Structured Cabling helps:

- Enable and leverage the Internet of Things
- Protect their investment, with a cost-effective approach that's backed by a 25-year warranty



# Your physical layer infrastructure Simply Solved >



**With the rapid growth of IP-based systems, cloud services and the Internet of Things, it has become essential to ensure that the LAN cabling system you specify and install today, meets the needs of your organisation tomorrow.**



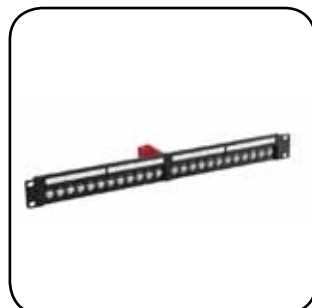


## Advanced Physical Layer Management



### MIIM G3

The MIIM solution enables complete real-time monitoring of the physical channel between MIIM panels, while supporting easy communication to SNMP based network management tools. MIIM's Device Discovery Toolkit, including Global, Directed and Event-Driven Discovery populate the MAC and IP addresses of discovered devices to the MIIM database, enabling continuous monitoring & mapping the physical layer.



It facilitates work order management, including scheduling and recording of moves, adds and changes (MACs), and enables patch guidance for technicians, with LEDs on the patch panels to indicate ports with pending work orders.

# Advanced Physical Layer Management

## MIIM



### MIIM Scanner

MIIM scanners monitor activity on a 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
IMS-00101	183240008	MIIM 96 Channel Scanner



### 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 W/O Control Unit
PID-00285	183210036	1U 24 Port Category 6A Shielded MIIM G3 Jack Loaded Patch Panel W/O Control Unit



### 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 MM Fiber Patch Panel, W/O control unit
RFR-00319	183230014	MIIM G3 48F Duplex LC SM Fiber Patch Panel, W/O control unit



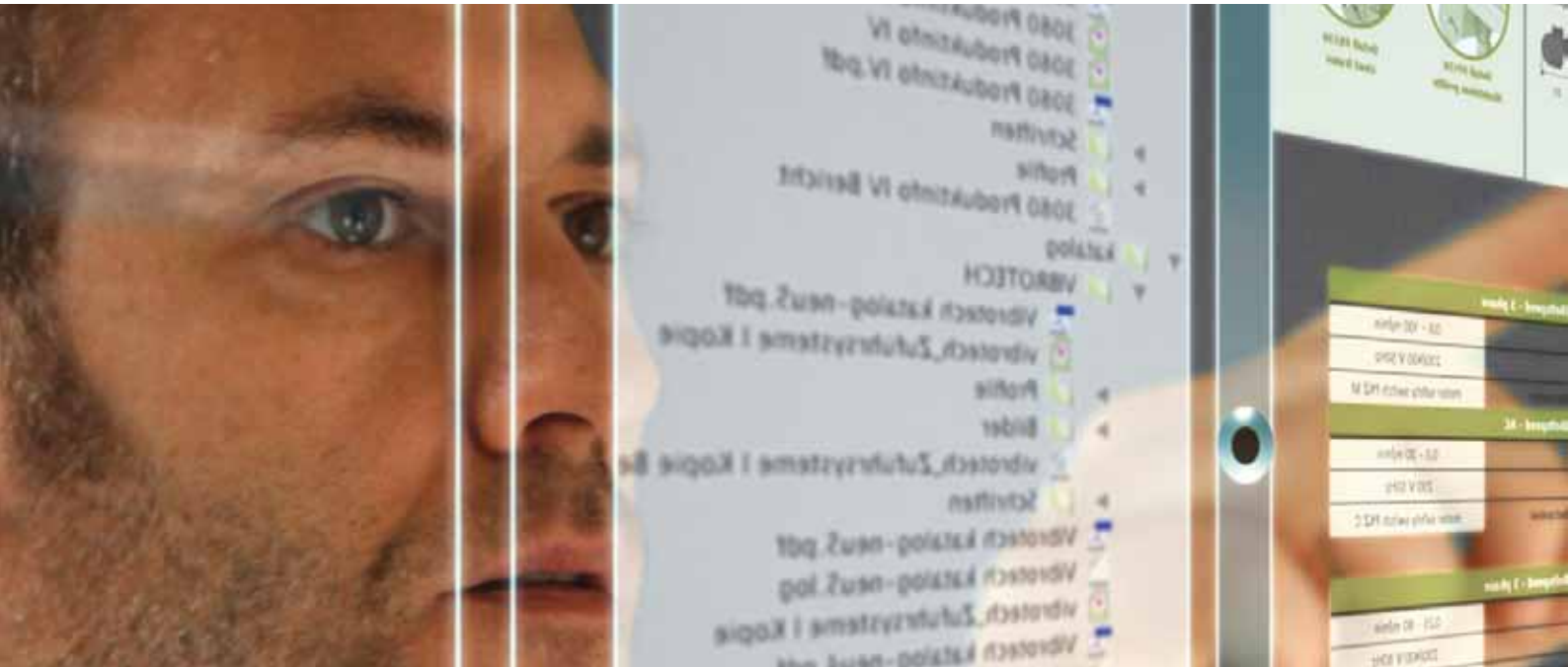
#### MIIM Application Software

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.

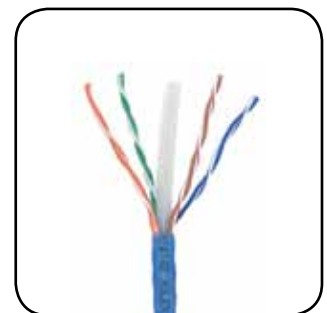
- Hierarchal view of entire enterprise layer 1 infrastructure to the port/outlet
- Event monitoring of all connections/disconnections
- Event-Driven Discovery keeps data current and minimises network bandwidth usage
- Enables guided patching
- Search feature to easily locate assets and information
- 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 Simply Solved >



Copper based Ethernet technology evolves and improves, providing continued adoption with enterprises. Technical advances have enabled the higher density, reduced power and improved cost-effectiveness.







## Copper Solutions

### PowerCat 5e

Molex's Category 5e product range is known as the PowerCat system and is designed to meet or exceed the requirements of current international standards. The product range offers backwards compatibility with Category 5 systems, with enhanced performance.

### PowerCat 6

Molex's Category 6 Product Range, PowerCat 6, is designed to meet or exceed the requirements of current international standards. The solution features cable, patch cords, patch panels and wall outlet solutions suitable for a wide range of territorial requirements.

### PowerCat 6A Shielded

Designed to support 10-Gigabit Ethernet (10GBase -T), Category 6A is an optimum speed structured cabling solution offering superior performance where speed, reliability, future proofing or long term tenancy is required. It is the system of choice for Data centers, financial institutions and enterprises requiring the maximum performance level for their businesses. The PowerCat 6A shielded solution is designed specifically for high speed data transmissions demanding little room for error, whilst offering exceptional alien crosstalk suppression, excellent insertion loss protection and protection against Electromagnetic Interference (EMI).

### PowerCat 6A Unshielded

Molex PowerCat™ 6A solution has been developed with the highest performing capabilities in mind. With improved data transmission over higher frequencies and enhanced noise suppression. Our solution has been designed to provide alien crosstalk mitigation and is verified to ANSI/TIA-568.2-D-2018 and ISO 11801:2017 Category 6A standards. The key components of the system are the PowerCat 6A UTP Keystone Jack with an optional shutter, the Molex C6A unshielded cable offers one of the lowest overall cable diameters in the industry allowing higher cable density and reducing cost. The complete end-to-end solution also includes a range of modular patch panels and wall outlets.

## Copper Solutions PowerCat 6A UTP



### PowerCat 6A Unshielded LS0H Cable

The PowerCat 6A Unshielded 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 defence 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
- IEEE 802.3bt Type 1,2,3 and 4
- 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 an optional 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
- 568A or 568B wiring option
- Rear metal-wrapped cable retention cap provides greater alien crosstalk protection
- 3rd party verified



Keystone Jack Wall Plates  
Page 91



Keystone Jack Wall Plates  
Page 91

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

\*\* Colour Options - 02 = White, 04 = Black, RD = Red, BL = Blue, 08 = Grey, 05 = Ivory  
Standard Stocked Colours - Black and White. All colours may be subject to availability and variable pricing.



### Keystone Patch Panel

The Molex 24 Port Modular Keystone Patch Panel is a flexible patching solution for small to medium size installations. The panel is shipped unloaded and can be configured to provide the exact number of ports required. The Keystone Jacks snap in easily and can be removed if required.

- Available in 24 Ports 1U
- Modularity provides installation flexibility
- Easy snap in Keystone Jacks
- Rear cable management included
- Graphite grey finish
- Accepts UTP Keystone Jacks only

The patch panel features an integral rear cable management tray for ease of installation and cable dressing. Port identification can be provided by utilising the silk screened areas shown on the front of the panel.

Order No.	SAP No.	Description
PID-00257	0180810023	24 Port Keystone Patch Panel - Unloaded - 1U

## Copper Solutions PowerCat 6A UTP



### PowerCat 6A Patch Cords

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

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

\*\* Colour Options - 0C = Red, 0E = Grey, 0H = Blue, 0J = Green, 0K = Yellow, 0W = White, 0P = Purple, 0N = Orange, BK = Black  
Standard Stocked Colours - Grey, Red, Blue. All colours and lengths may be subject to availability and variable pricing.

## Copper Solutions

### PowerCat 6A Shielded



#### PowerCat 6A U/FTP Cable

- Supports high speed data network applications such as 10-Gigabit Ethernet (10GBASE-T)
- Enhanced performance individually screened 4 pair U/FTP LS0H cable
- Minimises alien crosstalk, provides excellent signal isolation and provides superior electromagnetic interference (EMI) protection.
- Resistant to alien crosstalk
- Colour coded for ease of termination
- 500m Reel
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria

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, Power Sum 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
CAA-00360	183530002	Category 7A S/FTP LS0H Cable Dca-s1a,d1,a1 Violet - 500m reel



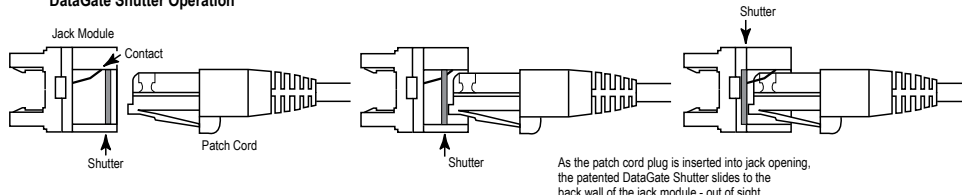
#### PowerCat 6A DataGate™ Shielded Jack

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 utilising 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 colour 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 Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented spring-loaded shutter
- RJ-11 compatible
- Accepts colour coded port identification 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

#### DataGate Shutter Operation



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



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



## Copper Solutions PowerCat 6A Shielded



### 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 utilising 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 colour 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



4 Pair Termination Tool  
Page 96

Order No.	SAP No.	Description
PID-00217	0182960000	PowerCat 6A 24 Port Patch Panel 568A/B Shielded - 1U
PID-00219	0182960002	PowerCat 6A 48 Port Patch Panel 568A/B Shielded - 2U
PID-00218	182960001	PowerCat 6A 24 Port Angled Patch Panel 568A/B Shielded - 1U
PID-00220	182960003	PowerCat 6A 48 Port Angled Patch Panel 568A/B Shielded - 2U
Accessories		
CSP-00021-**	Consult Molex	Blank Connector Icon Labels 6-Pack (Bag of 10)

\*\* Colour Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple. All colours may be subject to availability and variable pricing.

### PowerCat Unloaded DataGate Panels

The 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 labelling
- 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 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 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)

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

### 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



1U Multi-Function Enclosure Gen II  
Page 54

Order No.	SAP No.	Description
AFR-00441	183190030	Adapter Plate 3x PowerCat 6A DataGate (with grounding screws) unloaded

## Copper Solutions

### PowerCat 6A Shielded



#### PowerCat 6A Consolidation Point Enclosure MUTO

Consolidation Points or Multi-User Telecommunications Outlets (MUTO) are intended to provide increased flexibility and economy for installations where open office spaces require frequent re-configuration.

- Allows moves, adds and changes without re-terminating and re-testing of cable
- 8 port capacity
- Rugged enclosure
- Factory assembled
- PowerCat 6A Shielded DataGate Modules included
- RoHS compliant

Order No.	SAP No.	Description
CPT-00053	0180080078	PowerCat 6A 8 Port Consolidation Point Enclosure, Shielded



#### PowerCat 6A 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-slag slim strain relief slip on boots.

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

\*\* Colour Options - 0C = Red, 0E = Grey, 0H = Blue, 0J = Green, 0K = Yellow, 0W = White, 0P = Purple, 0N = Orange, BK = Black  
Standard Stocked Colours - Grey, Red, Blue. All colours and lengths may be subject to availability and variable pricing.

#### Powercat 6A Slim 28 AWG Shielded LS0H Patch Cords

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



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

Insert color code in place of \* in part number when ordering patch cords: C = Red, E = Gray, H = Blue, K = Yellow, J = Green  
Note: Conditions apply when installing these cords in a 4-connector channel with EU cable part no CAA-00413-VL. Contact Molex Technical

## Copper Solutions PowerCat 6A Shielded



### PowerCat 6A Solid Cable Assemblies

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

- 4 pair 23 AWG solid copper wire
- Pre-terminated with RJ45 shielded plugs
- Anti-snag slip on boots
- TIA/EIA-568B wiring
- LS0H sheath
- 10G Performance when installed as a complete PowerCat 6A Shielded System
- RoHS Compliant
- Cable - Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria

Order No.	SAP No.	Description
PCD-07054-VL	183160844	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, VL Dca-s2,d1,a1 4m
PCD-07055-VL	183160845	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, VL Dca-s2,d1,a1 6m
PCD-07056-VL	183160846	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, VL Dca-s2,d1,a1 8m
PCD-07057-VL	183160847	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 10m
PCD-08000-OP	183270077	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 15m
PCD-07058-VL	183160848	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 20m
PCD-08001-OP	183270078	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 25m
PCD-07059-VL	183160849	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 30m
PCD-08002-OP	183270079	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 35m
PCD-07060-VL	183160850	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 40m
PCD-08003-OP	183270080	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 50m
PCD-08004-OP	183270081	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 60m

## Copper Solutions PowerCat 6A Shielded



### Locking patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, LS0H, Grey

Molex Premise Networks Locking Patch Cords complement the PowerCat 6A shielded end-to-end solution. Molex PowerCat 6A Patch Cords are designed to support high speed networks including 10GBASE-T and 1000BASE-T. The Patch cables are equipped with RJ45 connectors protected by a locking mechanism. Once the patch cord is connected, it cannot be removed without the use of the specially designed key. This solution prevents unauthorized changes in patch cable connections within the Telecommunication Outlet zone or Patching zone. It also allows for the protection of strategic connections within the system. The patch cable is

made from high quality four pair F/FTP shielded 26 AWG stranded copper wire available in grey only. Six standard lengths are offered: 1m, 2m, 3m, 5m, 7m and 10m. Keys for Locking Patch Cords are available in packs of 5 pieces.

- Patch cords are equipped with RJ45 connectors protected by a lock
- 4-Pair 26AWG shielded F/FTP cord with LS0H outer sheath
- Slim clear anti-snap slip on boots
- 568B wiring
- LS0H Sheath
- RoHS Compliant

Order No.	Description
PCD-07069-0E	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, LS0H 1m Grey
PCD-07071-0E	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, LS0H 2m Grey
PCD-07073-0E	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, LS0H 3m Grey
PCD-07077-0E	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, LS0H 5m Grey
PCD-07079-0E	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, LS0H 7m Grey
PCD-07082-0E	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, LS0H 10m Grey
PCD-07083	Pack of 5 Keys for Locking Patch Cords



### 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 conductor from 22-26 AWG solid wire
- Meets ANSI/TIA-568.2-D Category 6A component performance, Cat 5e/6 and 6A Direct Attach link and channels

Order No.	SAP No.	Description
KSP-00001	Consult Molex	Category 6A Field Termination Plug



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

The Molex outside plant gel-filled Category 6A 4 Pair U/FTP 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 6A 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-00418	183020048	Cat6A U/FTP Gel Filled Outdoor PE Cable Nylon Fca Blue 305m



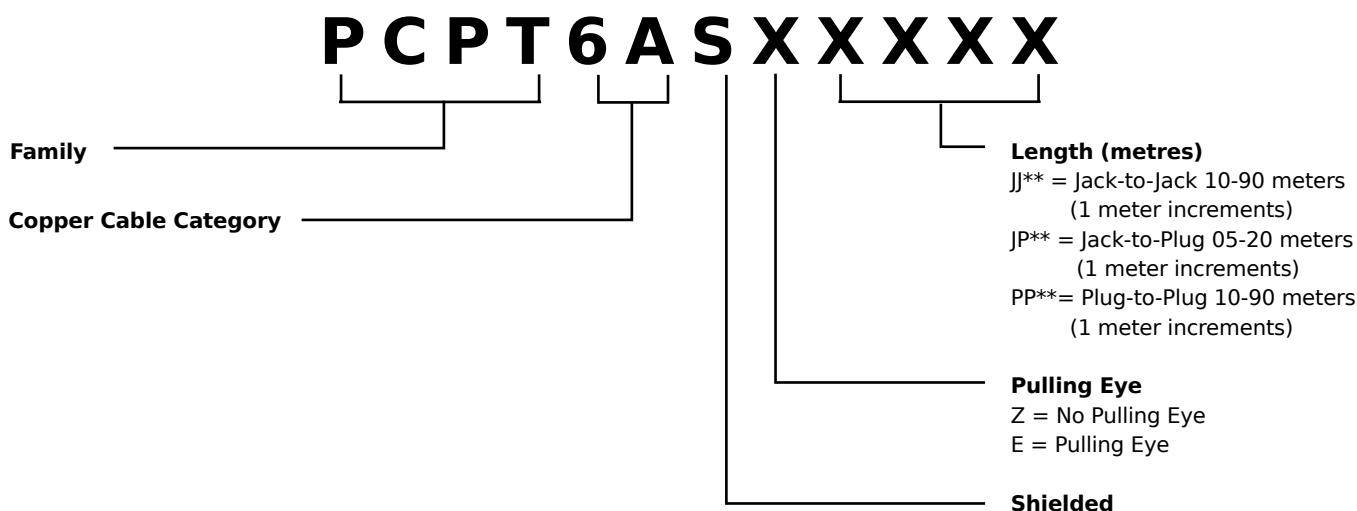
## Copper Solutions PowerCat 6A Shielded



### PowerCat 6A Pre-Terminated Cable Assemblies

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

- Factory terminated and tested
- Up to 80% faster to install than traditional field installation
- Pre-terminated PowerCat 6A
- LSOH 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 LSOH pre-term assembly without pulling eye, the part number would be PCPT6ASZJJ32

### DataGate Unloaded Patch Panels (sold separately)

Order No.	SAP No.	Description
PID-00258	180810031	PowerCat 24 Port DataGate 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 Patch Panel, Unloaded UTP or Shielded - 2U
PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U

## Copper Solutions PowerCat 6A Shielded



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

The Molex 1U 24 Port patch panel with angled, staggered Keystone Jack apertures is ideal for high density installations which utilise 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 cable management panel, while maintaining optimised 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, part numbers shown below)
- 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, Angled Keystone Jack 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 C6 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

### Modular Keystone Jack Panel

The Molex 24 Port Modular Keystone Jack Panel is a flexible patching solution for small to medium size installations. The panel is shipped unloaded and can be configured to provide the exact number of ports required. The Keystone Jacks snap in easily and can be removed if required.

The patch panel features an integral rear cable management tray for ease of installation and cable dressing.

- Available in 24 Ports 1U
- Modularity provides installation flexibility
- Easy snap in Keystone Jacks
- Rear cable management included
- Accepts UTP and Shielded Keystone Jacks



Order No.	SAP No.	Description
PID-00257	182960014	Keystone Jack Panel, 24 port, Unloaded - 1U

## Copper Solutions PowerCat 6A Shielded



### PowerCat 6A Euromod II Module

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

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

Order No.	SAP No.	Description
MEU-00065-02	0183010005	PowerCat 6A Angled Euromod II RJ45 Module, 568A/B - White
MEU-00065-04	0183010012	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

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



### PowerCat 6A MOD-SNAP III Module

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

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

Order No.	SAP No.	Description
MMS-00017-02	0183010003	PowerCat 6A Angled MOD-SNAP III RJ45 Module, 568A/B - White
MMS-00017-04	0183010011	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

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



### 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 labelling feature. Individual ports may be colour coded using a connector icon, for site-specific network administration.

- Protected labelling 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

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

## Copper Solutions

### PowerCat 6A Shielded



#### PowerCat 6A DIN Module

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

- Protected labelling 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

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



4 Pair 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 colour coded for site-specific network administration by fitting connector icon labels (part no. CSP-00021-0\*\*).

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

Order No.	SAP No.	Description
MGB-00006-02	0183010004	PowerCat 6A Angled Contura RJ45 Module, 568A/B Shielded - White



Contura™ Wallplate  
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#### PowerCat 6A Synergy Surface Box

The PowerCat Synergy Surface Box is ideal for use in open office cabling. Synergy Surface Boxes offer simple and organised 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 colour coded for site-specific network administration using connector icon labels.

- Stylish design
- Simple, organised cable entry and installation
- Screw fixing
- Clear and concise labelling
- Compatible with DataGate Jacks

Order No.	SAP No.	Description
SBX-00009-02	Consult Molex	PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded)
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
KSJ-00005-02	Consult Molex	Single Position Blank Module (Bag of 25)

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



PowerCat 6A Shielded Jack  
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## Copper Solutions

### PowerCat 6A Connectivity Solution



#### 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 utilising 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 colour coded for either 568A or 568B wiring schedules.

- Robust die-cast zinc alloy housing
- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Spring-Loaded Shutter
- Accepts colour coded port identification labels
- RoHS Compliant
- 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	0183010020	PowerCat 6A MOD-Clip Shielded Jack 8W 568 A/B White
MMC-00017-04	0183010019	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

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



## 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

##### 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 26AWG stranded copper wire, each pair is shielded in aluminium/mylar foil and enclosed in a LSOH sheath. The cable is terminated with Molex high performance Category 6A shielded RJ45 plugs. This high-performance assembly is enclosed in a UV stabilized, flexible polyamide covering, protecting the patch cord against mechanical shock, water and dust ingress and capable of withstanding an operating temperature of -20°C to +60°C or -4°F to 140°F.

- 4 Pair 26AWG 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.



**Note:** Outdoor WAP and security camera devices include ethernet/patch cord cable weather protection fittings/glands, which vary depending on the manufacturers' designs. Molex does not guarantee that its outdoor C6A patchcord is compatible with all types of outdoor WAPs and security cameras ethernet/patch cord cable weather protection fittings. Check dimensions of the device's fitting/gland before installation.

#### 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
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
SBX-00019-08	181320016	Euromod IP66 2 x RJ45 Enclosure Unloaded Grey
		<b>Compatible Euromod Outlets</b>
MEU-000074-02	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 Solution

is 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 protect 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 Jack

- 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



#### 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



#### Backbox

- 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
KSJ-00092	183010127	Jack C6A Shielded IP67 568A/B
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
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 UTP



### PowerCat 6 U/UTP Cable

PowerCat 6 4 pair cable has been designed to support high-speed data transmission systems. The cable features a cross-member designed to keep individual pairs separated for the reduction of NEXT and ELFEXT. The cable is available in PVC and LS0H sheaths on 500m reels and 305m reel in a box.

- Unshielded 4 Pair PVC and LS0H Cable
- Central separator for the reduction of NEXT & ELFEXT
- Colour coded pairs for ease of termination
- Independently tested
- 500m reel and 305m reel in a box
- 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 Grey - 305m reel in a box
CAA-00305	181740056	PowerCat 6 U/UTP LS0H Cable Dca-s2,d2,a1 Violet - 305m reel in a box
CAA-00326	181740058	PowerCat 6 U/UTP PVC Cable Eca Grey - 500m Reel
CAA-00325	181740057	PowerCat 6 U/UTP LS0H Cable Dca-s2,d2,a1 Violet - 500m
CAA-0336-VL	Consult Molex	PowerCat 6 LS0H Cable B2ca-s1a,d1,a1 - 305m Reel in a Box



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

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

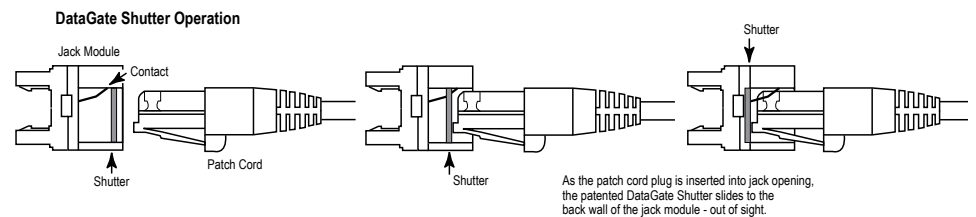
Order No.	SAP No.	Description
CAA-00419-OH	181740138	Cat6 U/UTP Gel Filled Outdoor PE Cable Nylon Fca Blue 305 m

### PowerCat 6 UTP DataGate Jack

The DataGate Jack is the cornerstone of the Molex Premise Networks PowerCat 6 System performance.

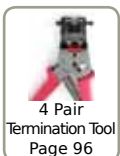
This jack features a unique spring-loaded shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The product is dual colour coded for either 568A or 568B wiring schedules and is backwards compatible with C5e systems.

- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented spring-loaded shutter
- Accepts colour 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 8W 568A/B

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



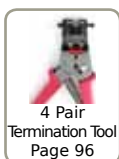
## Copper Solutions PowerCat 6 UTP



### PowerCat 6 MOD-Clip DataGate Jack

The MOD-Clip DataGate jack is designed to maintain clean and 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 seven colours, MOD-Clip DataGate jacks utilise patented IDC V-shaped contacts that flex not fatigue when terminated.

- Patented spring-loaded shutter 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
- RoHS Compliant
- Designed to fit the Clipsal®, HPM and PDL system of wallplates



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

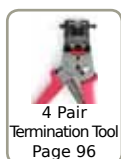
\*\* Colour Options - 02 = White, 04 = Black, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow



### Keystone Jack

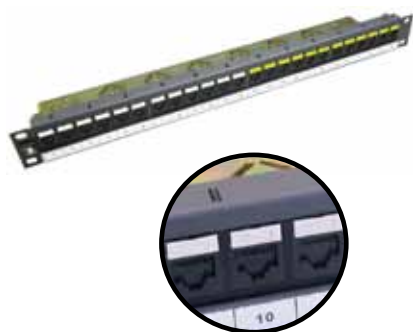
Utilising patented IDC V-shaped contacts that flex not fatigue when terminated, the RJ-45 Keystone Jack is compatible with any product that accepts the standard keystone profile.

- Dual Colour 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
- Moulded category identification on jack face
- Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible



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

\*\* Colour Options - 01 = Almond 02 = White 04 = Black



### PowerCat 6 Patch Panels

PowerCat 6 Patch Panels feature the shuttered DataGate Connector which is dual colour 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 labelling. Individual ports can be colour coded using an icon for site-specific network administration.

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

Order No.	SAP No.	Description
PID-00141	182040009	PowerCat 6 24 Port Patch Panel RJ45 568A/B UTP - 1U
PID-00142	182040010	PowerCat 6 48 Port Patch Panel RJ45 568A/B UTP - 2U

## Copper Solutions PowerCat 6 UTP



### PowerCat 6 Angled Patch Panels

Angled Patch Panels are ideal for installations of high density or which utilise extensive side and end-of-the-rack cable management. The angled feature provides enhanced port access and minimises patch cord bend radius to the rack. Each port features a patented spring-loaded shutter and can be colour 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
- Individually removable patch panel ports
- 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



### PowerCat Unloaded DataGate Panels

The 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 labelling
- 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 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 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)

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



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

The Molex 1U 24 Port patch panel with angled, staggered Keystone Jack apertures is ideal for high density installations which utilise 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 cable management panel, while maintaining optimised 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. The product is compatible with Molex Keystone Jacks (supplied separately) and is shipped with the necessary fixing kit.

- Eliminates the need for an additional horizontal cable management panel
- Angled, staggered ports orient the jack at 15 degrees
- 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

Order No.	SAP No.	Description
PID-00282	180810045	Patch panel 1 U 24 Port. Angled aperture, Keystone Jack, Unloaded



## Copper Solutions PowerCat 6 UTP



### Modular Keystone Jack Panel

The Molex 24 Port Modular Keystone Jack Panel is a flexible patching solution for small to medium size installations. The panel is shipped unloaded and can be configured to provide the exact number of ports required. The Keystone Jacks snap in easily and can be removed if required.

The patch panel features an integral rear cable management tray for ease of installation and cable dressing.

- Available in 24 Ports 1U
- Modularity provides installation flexibility
- Easy snap in Keystone Jacks
- Rear cable management included
- Accepts UTP and Shielded Keystone Jacks

Order No.	SAP No.	Description
PID-00257	182960014	Keystone Jack Panel, 24 port, Unloaded - 1U



### 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	183190030	Adapter Plate 3 x PowerCat DataGate unloaded



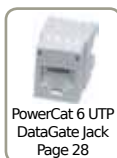
### PowerCat 6 Consolidation Point Enclosures

Consolidation Points provide increased flexibility and economy for installations where open office spaces require frequent re-configuration. They feature 6 or 8 shuttered PowerCat 6 modules and allow ready access to the Solid Cable Assembly Links. The product is TIA/EIA TSB75 compliant. Two enclosures may be interconnected, allowing for expansion.

- Allows moves, adds and changes without re-terminating and re-testing of cable
- 6 or 8 port DataGate modules
- Rugged graphite grey enclosure
- TSB 75 compliant

Order No.	SAP No.	Description
CPT-00032	0180080065	PowerCat 6 6 Port Consolidation Point Enclosure RJ45 568B UTP
CPT-00033	0180080073	PowerCat 6 8 Port Consolidation Point Enclosure RJ45 568B UTP

## Copper Solutions PowerCat 6 UTP



### PowerCat 6 Synergy Surface Boxes

Synergy Surface Boxes are ideal for use in open office cabling. The attractive contemporary designed product family comprises of 1, 2, 4 and 6 port variants complete with DataGate shuttered connectors. Synergy Surface Boxes offer simple, organised 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 colour coded for site-specific network administration using connector icon labels.

- Stylish design
- Simple, organised cable entry and installation
- Screw fixing
- Clear and concise labelling

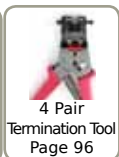
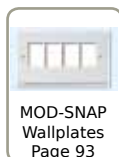
Order No.	SAP No.	Description
SBX-00005-02	181770326	PowerCat 6 1 Port Synergy Surface Box RJ45 White (loaded)
SSY-00014-02	181340013	PowerCat 2 Port Synergy Surface Box, Unloaded - White
SSY-00015-02	181340016	PowerCat 4 Port Synergy Surface Box, Unloaded - White
SSY-00016-02	181340019	PowerCat 6 Port Synergy Surface Box, Unloaded - White
KSJ-00005-02	Consult Molex	Single Position Blank Module (Bag of 25)



### 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 labelling facility
- Floor box and wallplate compatible
- 38.5 x 25mm fascia (BT6C size)



Order No.	SAP No.	Description
MMS-00013-02	0181780003	PowerCat 6 Angled MOD-SNAP III Module RJ45 568A/B UTP
MMS-00014-02	0181170009	MOD-SNAP Module Blank

\*\* Colour Options - 02 = White 04 = Black



### 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 labelling facility. Individual ports may be colour coded for site-specific network administration by fitting connector icon labels.

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



Order No.	SAP No.	Description
MGB-00001-02	0181770082	PowerCat 6 Angled Contura Module RJ45 568A/B UTP - White
MGB-00002-02	0181770216	Contura Module Blank - White

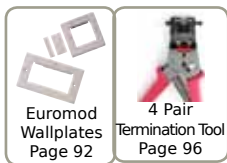
## Copper Solutions PowerCat 6 UTP



### 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 colour coded for site-specific network administration using connector icon labels.

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



Euromod Wallplates  
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Order No.	SAP No.	Description
MEU-00056-02	0181730016	PowerCat 6 Euromod II Module RJ45 568A/B UTP - White
MEU-00056-04	0181730017	PowerCat 6 Euromod II Module RJ45 568A/B UTP - Black
17-0412-02	0180060060	Euromod Quarter (12.5 x 50mm) Blank - White
17-0413-02	0181370005	Euromod Half (25 x 50mm) Blank - White
17-0414-02	0180060062	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 labelling facility. Individual ports may be colour coded using a connector icon for site-specific network administration.

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



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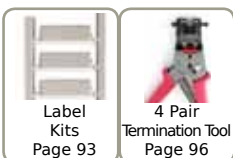
Order No.	SAP No.	Description
MLG-00021-02	188000016	PowerCat 6 22.5 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White
MLG-00024-02	188000068	PowerCat 6 45 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White
16.A0012	180070055	22.5 x 45mm Blank Module - White



### PowerCat 6 DIN Module

The PowerCat 6 DIN module is designed for compatibility with the 50 x 50mm DIN 49075 standard. The product is a fully assembled unit featuring the shuttered DataGate connector. The angled design reduces patch cord bend radius and features a protected labelling facility. Individual ports may be colour 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 labelling facility
- Angled fascia
- 1 and 2 Port versions



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

## Copper Solutions PowerCat 6 UTP



### 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 colours 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
- LSOH sheath

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

\*\* Colour Options - 0C = Red, 0E = Grey, 0H = Blue, 0J = Green, 0K = Yellow, 0W = White, 0P = Purple, 0N = Orange, BK = Black  
Standard Stocked Colours - Grey, Red, Blue. All other colours and lengths may be subject to MOQ's, longer lead times and variable pricing.  
Standard Stocked Lengths - 1, 2, 3, 5, 7, 10 metres

### 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
- PVC and LSOH versions
- 100% Factory Tested
- Strain relief boots for protection against cable tension



Order No.	SAP No.	Description
PCD-00456-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey 4m
PCD-00457-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 6m
PCD-00458-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 8m
PCD-00459-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 10m
PCD-00460-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 20m
PCD-00461-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 30m
PCD-00462-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 40m

Order No.	SAP No.	Description
PCD-00464-0P	0181880025	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 4m
PCD-00465-0P	0181880026	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 6m
PCD-00466-0P	0181880027	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 8m
PCD-00467-0P	0181880028	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 10m
PCD-06000-0P	0181880037	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 15m
PCD-00468-0P	0181880029	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 20m
PCD-06001-0P	0181880038	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 25m
PCD-00469-0P	0181880030	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 30m
PCD-060021-0P	0181880039	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 35m
PCD-00470-0P	0181880031	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 40m
PCD-00471-0P	0181880032	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 50m
PCD-00472-0P	0181880033	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH VL Dca-s2,d2,a1 60m

## Copper Solutions PowerCat 6 UTP



### Molex PowerCat 6 Locking Patch Cords

The Molex PowerCat 6 Patch Cords are designed to support high-speed networks including 10/100BASE-T and 1000BASE-T. The patch cables are equipped with RJ45 connectors protected by a locking mechanism. Once the patch cord is connected, it cannot be removed without the use of the specially designed key. This solution prevents unauthorized changes in patch cable connections within the telecommunication outlet zone or patching zone. It also allows for the protection of strategic connections within the system.

The patch cable is made from high quality four pair U/UTP 24 AWG stranded copper wire available in white, black, blue, gray, green, yellow, orange, purple, red and pink. Lengths offered from 1m-20m.

- Patch cords are equipped with RJ45 connectors protected by a lock
- 4 pair 24 AWG U/UTP cord with LS0H outer sheath
- Slim clear anti-snag slip on boots
- 568B wiring

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

**PCD - 029 XX - XX**

Patch Cord

Series for LS0H C6

Length (meters)  
01m to 20m

#### For 0.5 incrementals

- A = 0.5m
- B = 1.5m
- C = 2.5m
- D = 3.5m
- E = 4.5m
- F = 5.5m
- G = 6.5m
- H = 7.5m
- I = 8.5m
- J = 9.5m
- K = 10.5m
- L = 11.5m
- M = 12.5m
- N = 13.5m
- O = 14.5m
- P = 15.5m
- Q = 16.5m

#### Color Code

- 0W = White
- BK = Black
- 0H = Blue
- 0E = Gray
- 0J = Green
- 0K = Yellow
- 0N = Orange
- 0P = Purple
- 0C = Red

For example: To order a Locking Patch Cord PowerCat 6 U/UTP LS0H 1m length in Black, the part number would be PCD-02901-BK

\*\*\*Standard stocked color: 0H = Blue. All colors and lengths may be subject to availability, MOQs and variable pricing. \*\*\*

Order No.	SAP No.	Description
C6 CORD-KEY-BLUE	180190015	Set of 5 Key Kit for Locking Patch Cords - Blue



## Copper Solutions PowerCat 5e UTP



### PowerCat 5e U/UTP Cable

PowerCat Category 5e U/UTP 4 Pair cable has been designed to support high speed data transmission systems. The cable is available in PVC and LS0H sheaths on a 305m Reel-in-a-Box designed to facilitate transportation and cable access.

- U/UTP 4 pair PVC and LS0H cable
- Colour coded for ease of termination
- Independently tested
- 305 metre box
- 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 - Grey - 305m
39-504-5e	18170009	PowerCat 5e U/UTP LS0H Cable Dca-s2,d2,a1 Violet - 305m



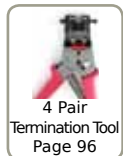
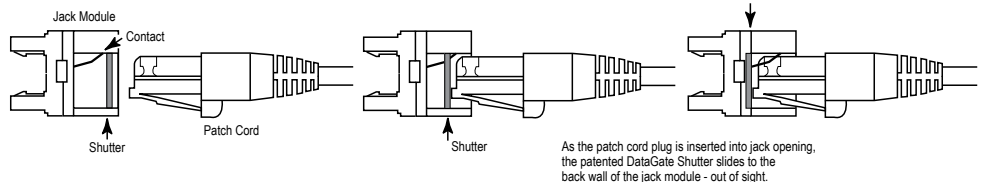
### PowerCat 5e UTP DataGate Jack

The DataGate Jack is the cornerstone of the Molex Premise Networks PowerCat 5e 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 colour coded for either 568A or 568B wiring schedules.

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

#### DataGate Shutter Operation



Order No.	SAP No.	Description
KSJ-00024-**	Consult Molex	PowerCat 5e DataGate Jack 8W 568A/B

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



### Keystone Jack

Utilising patented IDC V-shaped contacts that flex not fatigue when terminated, the RJ-45 Keystone Jack is compatible with any product that accepts the standard keystone profile.

- Dual Colour 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
- Moulded category identification on jack face



Order No.	SAP No.	Description
KSJ-00032-**	Consult Molex	Keystone Jack, Category 5e, 8W, 568A/B

\*\* Colour Options - 01 = Almond 02 = White 04 = Black  
\*\* Colour Options - 02 = White, 06 = Almond

## Copper Solutions PowerCat 5e UTP



### PowerCat 5e DataGate Patch Panel

PowerCat 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 colour coded using an icon for site-specific network administration.

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

Order No.	SAP No.	Description
PID-00174	182080372	PowerCat 5e 24 Port DataGate Patch Panel RJ45 568A/B UTP - 1U
PID-00175	0182080374	PowerCat 5e 48 Port DataGate Patch Panel RJ45 568A/B UTP - 2U



### PowerCat Unloaded DataGate Panels

The 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 labelling
- 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 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 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)

\* Colour Options - 1 = Almond, 2 = White, 5 = Ivory, 4 = Black, 8 = Light Grey



### Modular Keystone Patch Panel

The Molex 24 Port Modular Keystone Jack patch panel is a flexible patching solution for small to medium size installations. The panel is shipped unloaded and can be configured to provide the exact number of ports required. The Keystone Jacks snap in easily and can be removed if required.

The patch panel features an integral rear cable management tray for ease of installation and cable dressing.

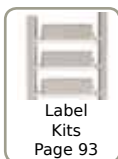
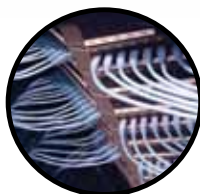
- Available in 24 Ports 1U
- Modularity provides installation flexibility
- Easy snap in Keystone Jacks
- Rear cable management included



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

\*\*Standard Stocked Colours - 02 = White, 04 = Black.

## Copper Solutions PowerCat 5e UTP



### PowerCat Angled Patch Panels

Angled Patch Panels are ideal for installations of high density or which utilise extensive side and end-of-the-rack cable management. The angled feature provides enhanced port access and minimises patch cord bend radius to the rack. Each port features a patented spring-loaded shutter and can be colour coded to match jack outlets and provides both front and rear labelling 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	0182020245	PowerCat 5e 24 Port Angled Patch Panel RJ45 568A/B UTP - 1U
PID-00155	0182080295	PowerCat 5e 48 Port Angled Patch Panel RJ45 568A/B UTP - 2U

### PowerCat UTP High Density Patch Panel

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 labelling 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 grey finish



Order No.	SAP No.	Description
PID-00073	0181820012	PowerCat 5e 48 Port High Density Patch Panel RJ45 56B UTP - 1U

## Copper Solutions PowerCat 5e UTP



PowerCat 5E  
DataGate Jack  
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### PowerCat Synergy Surface Box

The PowerCat Synergy Surface Box is ideal for use in open office cabling. Synergy Surface Boxes offer simple and organised 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 colour coded for site-specific network administration using connector icon labels.

- Stylish design
- Simple, organised cable entry and installation
- Screw fixing
- Clear and concise labelling
- Compatible with DataGate Jacks

Order No.	SAP No.	Description
SBX-00006-02	18338002	PowerCat 5E 1 Port Synergy Surface Box RJ45 UTP White (loaded)
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
KSJ-00005-02	Consult Molex	Single Position Blank Module (Bag of 25)

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



Outlet  
Configuration  
Solutions  
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### 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 labelling facility
- Compatible with MOD-SNAP wallplates
- Ideal for floorbox applications

Order No.	SAP No.	Description
42.1B.011.A003*	0182080061	PowerCat 5e MOD-SNAP RJLP Module RJ45 568B UTP - White
MMS-00014-0*	181170009	MOD-SNAP Module Blank - White

\*\* Colour Options - 2 = White 4 = Black



Euromod  
Wallplates  
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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 labelling facility
- Compatible with Euromod wallplates

Order No.	SAP No.	Description
17.1B.011.A0042	0182080033	PowerCat 5e Euromod RJLP Module RJ45 568B UTP - White
MEU-00019-02	0182080034	PowerCat 5e Angled Euromod RJLP Module RJ45 568B UTP - White
17-0412-02	0180060060	Euromod Quarter (12.5 x 50mm) Blank - White
17-0413-02	0181250021	Euromod Half (25 x 50mm) Blank - White
17-0414-02	0180060062	Euromod Full (50 x 50mm) Blank - White

## Copper Solutions PowerCat 5e UTP



### 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	0182080074	PowerCat 5e 1 Port Fixed Shuttered Wallplate RJ45 568B UTP - White
WNC-00008-02	0182080046	PowerCat 5e 2 Port Fixed Shuttered Wallplate RJ45 568B UTP - White
WNC-00009-02	0182080127	PowerCat 5e 4 Port Fixed Shuttered Wallplate RJ45 568B UTP - White



### PowerCat 5e 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 four pair 24 AWG stranded copper wire. Available in a range of colours and lengths, PowerCat 5e patch cords are pre-terminated with RJ45 plugs and feature anti-snag slim strain relief slip on boots.

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

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

\*\* Colour Options - 0C = Red, 0E = Grey, 0H = Blue, 0J = Green, 0K = Yellow, 0W = White, 0P = Purple, 0N = Orange, BK = Black  
Standard Stocked Colours - Grey, Red, Blue. All other colours and lengths may be subject to MOQ's, longer lead times and variable pricing.  
Standard Stocked Lengths - 1, 2, 3, 5, 7, 10 metres





# Connecting Data

## Connecting Specifiers

# Delivering Efficiencies

Spend less time worrying about cost estimates and planning through Molex business tools.

Register your interest at:  
<http://csp.molex.com/forms/reg/add>

- Cable Fill Rate Estimator
- Bill of Material Estimator
- Proposal Generator

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# Tomorrow's innovations Simply Solved >



**Fiber has been an integral medium for structured cabling systems for many years. Used traditionally in the backbone – fiber is now becoming more prevalent in high speed networks by virtue of its bandwidth capabilities, size and the security it offers over and above copper media.**

Molex manufactures a full line of high performance fiber adapters and connectors. Designed with the latest engineering polymer and ceramic materials, all fiber adapters and connectors have been tested to and meet all the rigorous Telecommunication, CATV and Data communication industry standards.





## Fiber Optic Solutions

### Product offering

Molex manufactures some of the most comprehensive fiber systems in the structured cabling market, incorporating a variety of connector technologies, such as; ST, Duplex SC and LC. Molex offers total fiber solutions, ideal for either Backbone or To-The-Desk applications.

The Molex Fiber product range consists of Management Panels, Enclosures, Adapter Plates, Connectors, Modules, Cable, Pre-Terminated Solutions, Adapters, Patch Cords, Splicing Equipment, Field Termination Connectors, Tool Kits and Testers.

### Patch Cords

Molex's advanced manufacturing process provides exceptional performance in patch cord assemblies. Molex maintains strict control over the ferrule endface surface. With the aid of an interferometer, the ferrule endface geometry is measured for radius, concentricity and apex offset, ensuring high performance and long-term reliability of all terminations.

### Adapters & Connectors

Molex manufactures a full line of high performance fiber adapters and connectors. Designed with the latest engineering polymer and ceramic materials, all fiber adapters and connectors have been tested to and meet all the rigorous Telecommunication, CATV and Data communication industry standards.



# 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 LS0H, 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
- LS0H sheaths
- Compliant with EN 50575:2014+A1:2016 EU Reaction to Fire Performance criteria

Order No	SAP No.	Fiber Type	No. of Cores	Sheath Colour	EuroClass
CFR-00373	0180580441	OM2	4	Green	Eca
CFR-00374	0180580441	OM2	6	Green	Eca
CFR-00375	0180580441	OM2	8	Green	Eca
CFR-00376	0180580441	OM2	12	Green	Eca
CFR-00378	0180580445	OM2	24	Green	Eca
CFR-00687	183280004	OM3	4	Aqua	Bca-s1a,d1,a1
CFR-00688	183280005	OM3	6	Aqua	Bca-s1a,d1,a1
CFR-00689	183280006	OM3	8	Aqua	Bca-s1a,d1,a1
CFR-00690	183280007	OM3	12	Aqua	Bca-s1a,d1,a1
CFR-00691	183280008	OM3	24	Aqua	Bca-s1a,d1,a1
CFR-00493	180580677	OM3	4	Aqua	Cca-s1a,d1,a1
CFR-00494	180580678	OM3	6	Aqua	Cca-s1a,d1,a1
CFR-00495	180580679	OM3	8	Aqua	Cca-s1a,d1,a1
CFR-00496	180580523	OM3	12	Aqua	Cca-s1a,d1,a1
CFR-00497	180580640	OM3	24	Aqua	Cca-s1a,d1,a1
CFR-00380	180580449	OM3	4	Green	Eca
CFR-00381	180580451	OM3	6	Green	Eca
CFR-00382	180580453	OM3	8	Green	Eca
CFR-00383	180580454	OM3	12	Green	Eca
CFR-00384	180580455	OM3	24	Green	Eca
CFR-00692	183280009	OM4	4	Erika Violet	Bca-s1a,d1,a1
CFR-00693	183280010	OM4	6	Erika Violet	Bca-s1a,d1,a1
CFR-00694	183280011	OM4	8	Erika Violet	Bca-s1a,d1,a1
CFR-00695	183280012	OM4	12	Erika Violet	Bca-s1a,d1,a1
CFR-00696	183280013	OM4	24	Erika Violet	Bca-s1a,d1,a1
CFR-00622	180580684	OM4	4	Erika Violet	Cca-s1a,d1,a1
CFR-00623	180580685	OM4	6	Erika Violet	Cca-s1a,d1,a1
CFR-00624	180580686	OM4	8	Erika Violet	Cca-s1a,d1,a1
CFR-00625	183280003	OM4	12	Erika Violet	Cca-s1a,d1,a1
CFR-00626	180580687	OM4	24	Erika Violet	Cca-s1a,d1,a1
CFR-00584	0180580370	OM4	4	Green	Eca
CFR-00585	0180580371	OM4	6	Green	Eca
CFR-00586	0180580372	OM4	8	Green	Eca
CFR-00587	0180580373	OM4	12	Green	Eca
CFR-00589	0180580375	OM4	24	Green	Eca
CFR-00712	183280019	OM5	4	Lime Green	Cca-s1a,d1,a1
CFR-00713	183280020	OM5	6	Lime Green	Cca-s1a,d1,a1
CFR-00714	183280021	OM5	8	Lime Green	Cca-s1a,d1,a1
CFR-00715	183280022	OM5	12	Lime Green	Cca-s1a,d1,a1
CFR-00716	183280023	OM5	24	Lime Green	Cca-s1a,d1,a1

## 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 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.	Fiber Type	No. of Cores	Sheath Colour	EuroClass
CFR-00717	183280024	OM5	4	Lime Green	B2ca-s1a,d1,a1
CFR-00718	183280025	OM5	6	Lime Green	B2ca-s1a,d1,a1
CFR-00719	183280026	OM5	8	Lime Green	B2ca-s1a,d1,a1
CFR-00720	183280027	OM5	12	Lime Green	B2ca-s1a,d1,a1
CFR-00721	183280028	OM5	24	Lime Green	B2ca-s1a,d1,a1
CFR-00697	183280014	OS2	4	Yellow	Bca-s1a,d1,a1
CFR-00698	183280015	OS2	6	Yellow	Bca-s1a,d1,a1
CFR-00699	183280016	OS2	8	Yellow	Bca-s1a,d1,a1
CFR-00700	183280017	OS2	12	Yellow	Bca-s1a,d1,a1
CFR-00701	183280018	OS2	24	Yellow	Bca-s1a,d1,a1
CFR-00498	180580680	OS2	4	Yellow	Cca-s1a,d1,a1
CFR-00499	180580678	OS2	6	Yellow	Cca-s1a,d1,a1
CFR-00500	180580682	OS2	8	Yellow	Cca-s1a,d1,a1
CFR-00501	180580285	OS2	12	Yellow	Cca-s1a,d1,a1
CFR-00502	180580683	OS2	24	Yellow	Cca-s1a,d1,a1
CFR-00387	0180580464	OS2	4	Green	Eca
CFR-00388	0180580466	OS2	6	Green	Eca
CFR-00389	0180580468	OS2	8	Green	Eca
CFR-00390	0180580469	OS2	12	Green	Eca
CFR-00392	0180580471	OS2	24	Green	Eca

### 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.	Fiber Type	No. of Cores	Sheath Colour	EuroClass
CFR-00569	0180580481	OM2	4	Blue	Eca
CFR-00570	0180580482	OM2	6	Blue	Eca
CFR-00571	0180580483	OM2	8	Blue	Eca
CFR-00572	0180580484	OM2	12	Blue	Eca
CFR-00573	0180580485	OM2	24	Blue	Eca
CFR-00672	183150055	OM3	4	Aqua	Bca-s1a,d1,a1
CFR-00673	183150056	OM3	6	Aqua	Bca-s1a,d1,a1
CFR-00674	183150057	OM3	8	Aqua	Bca-s1a,d1,a1
CFR-00675	183150058	OM3	12	Aqua	Bca-s1a,d1,a1
CFR-00676	183150059	OM3	24	Aqua	Bca-s1a,d1,a1



## 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.	Fiber Type	No. of Cores	Sheath Colour	EuroClass
CFR-00657	183150040	OM3	4	Aqua	Dca-s2-d1,a1
CFR-00658	183150041	OM3	6	Aqua	Dca-s2-d1,a1
CFR-00659	183150042	OM3	8	Aqua	Dca-s2-d1,a1
CFR-00660	183150043	OM3	12	Aqua	Dca-s2-d1,a1
CFR-00661	183150044	OM3	24	Aqua	Dca-s2-d1,a1
CFR-00574	0180580486	OM3	4	Blue	Eca
CFR-00575	0180580487	OM3	6	Blue	Eca
CFR-00576	0180580488	OM3	8	Blue	Eca
CFR-00577	0180580489	OM3	12	Blue	Eca
CFR-00578	0180580491	OM3	24	Blue	Eca
CFR-00677	183150060	OM4	4	Erika Violet	Bca-s1a,d1,a1
CFR-00678	183150061	OM4	6	Erika Violet	Bca-s1a,d1,a1
CFR-00679	183150062	OM4	8	Erika Violet	Bca-s1a,d1,a1
CFR-00680	183150063	OM4	12	Erika Violet	Bca-s1a,d1,a1
CFR-00681	183150064	OM4	24	Erika Violet	Bca-s1a,d1,a1
CFR-00662	183150045	OM4	4	Erika Violet	Dca-s2-d1,a1
CFR-00663	183150046	OM4	6	Erika Violet	Dca-s2-d1,a1
CFR-00664	183150047	OM4	8	Erika Violet	Dca-s2-d1,a1
CFR-00665	183150048	OM4	12	Erika Violet	Dca-s2-d1,a1
CFR-00666	183150049	OM4	24	Erika Violet	Dca-s2-d1,a1
CFR-00594	0180580492	OM4	4	Blue	Eca
CFR-00595	0180580493	OM4	6	Blue	Eca
CFR-00596	0180580494	OM4	8	Blue	Eca
CFR-00597	0180580495	OM4	12	Blue	Eca
CFR-00598	0180580496	OM4	24	Blue	Eca
CFR-00702	183150070	OM5	4	Lime Green	Dca-s2-d1,a1
CFR-00703	183280071	OM5	6	Lime Green	Dca-s2-d1,a1
CFR-00704	183280072	OM5	8	Lime Green	Dca-s2-d1,a1
CFR-00705	183280073	OM5	12	Lime Green	Dca-s2-d1,a1
CFR-00706	183280074	OM5	24	Lime Green	Dca-s2-d1,a1
CFR-00707	183150075	OM5	4	Lime Green	B2ca-s1a,d1,a1
CFR-00708	183280076	OM5	6	Lime Green	B2ca-s1a,d1,a1
CFR-00709	183280077	OM5	8	Lime Green	B2ca-s1a,d1,a1
CFR-00710	183280078	OM5	12	Lime Green	B2ca-s1a,d1,a1
CFR-00711	183280074	OM5	24	Lime Green	B2ca-s1a,d1,a1
CFR-00682	183150065	OS2	4	Yellow	Bca-s1a,d1,a1
CFR-00683	183150066	OS2	6	Yellow	Bca-s1a,d1,a1
CFR-00684	183150067	OS2	8	Yellow	Bca-s1a,d1,a1
CFR-00685	183150068	OS2	12	Yellow	Bca-s1a,d1,a1
CFR-00686	183150069	OS2	24	Yellow	Bca-s1a,d1,a1

## Fiber Optic Solution Lightband Cable



### Fiber Cable - Multi-Purpose Loose Tube

Molex multi-purpose fiber optic loose tube cable is suitable for LAN backbones, telecom access lines and campus backbones. The cable is a gel filled central loose tube design with swellable glass yarns as a strength member and rodent protection. The outer jacket is LS0H, compliant the 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.	Fiber Type	No. of Cores	Sheath Colour	EuroClass
CFR-00667	183150050	OS2	4	Yellow	Dca-s2-d1,a1
CFR-00668	183150051	OS2	6	Yellow	Dca-s2-d1,a1
CFR-00669	183150052	OS2	8	Yellow	Dca-s2-d1,a1
CFR-00670	183150053	OS2	12	Yellow	Dca-s2-d1,a1
CFR-00671	183150054	OS2	24	Yellow	Dca-s2-d1,a1
CFR-00579	0180580497	OS2	4	Blue	Eca
CFR-00580	0180580498	OS2	6	Blue	Eca
CFR-00581	0180580499	OS2	8	Blue	Eca
CFR-00582	0180580500	OS2	12	Blue	Eca
CFR-00583	0180580501	OS2	24	Blue	Eca

### Fiber Cable - Direct Burial Armoured Loose Tube

Molex Loose Tube Armoured Fiber Cable is constructed of gel filled loose tubes (4-12 fibers). The core is water blocked, wrapped in polyester tape with an inner and outer MDPE sheath. Corrugated steel armouring makes the cable rodent resistant. The cable is designed for direct burial, outdoor data communication applications.

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



OM2 (50/125)	SAP No.	No. of Cores
CFR-00544	Consult Molex	4
CFR-00545	Consult Molex	6
CFR-00546	Consult Molex	8
CFR-00547	Consult Molex	12
CFR-00548	Consult Molex	16
CFR-00549	Consult Molex	24

OM3 (50/125)	SAP No.	OS1 & 2 (9/125)	SAP No.	No. of Cores
CFR-00551	Consult Molex	CFR-00558	Consult Molex	4
CFR-00552	Consult Molex	CFR-00559	Consult Molex	6
CFR-00553	Consult Molex	CFR-00560	Consult Molex	8
CFR-00554	Consult Molex	CFR-00561	Consult Molex	12
CFR-00555	Consult Molex	CFR-00562	Consult Molex	16
CFR-00556	Consult Molex	CFR-00563	Consult Molex	24

Note: OM4 Available on request subject to MOQ's, please contact internal sales for more information and SAP numbers.

# Fiber Optic Solution Lightband Pre-Terminated Fiber Trunk Assemblies

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.



### Pre-terminated Fiber Optic Leads

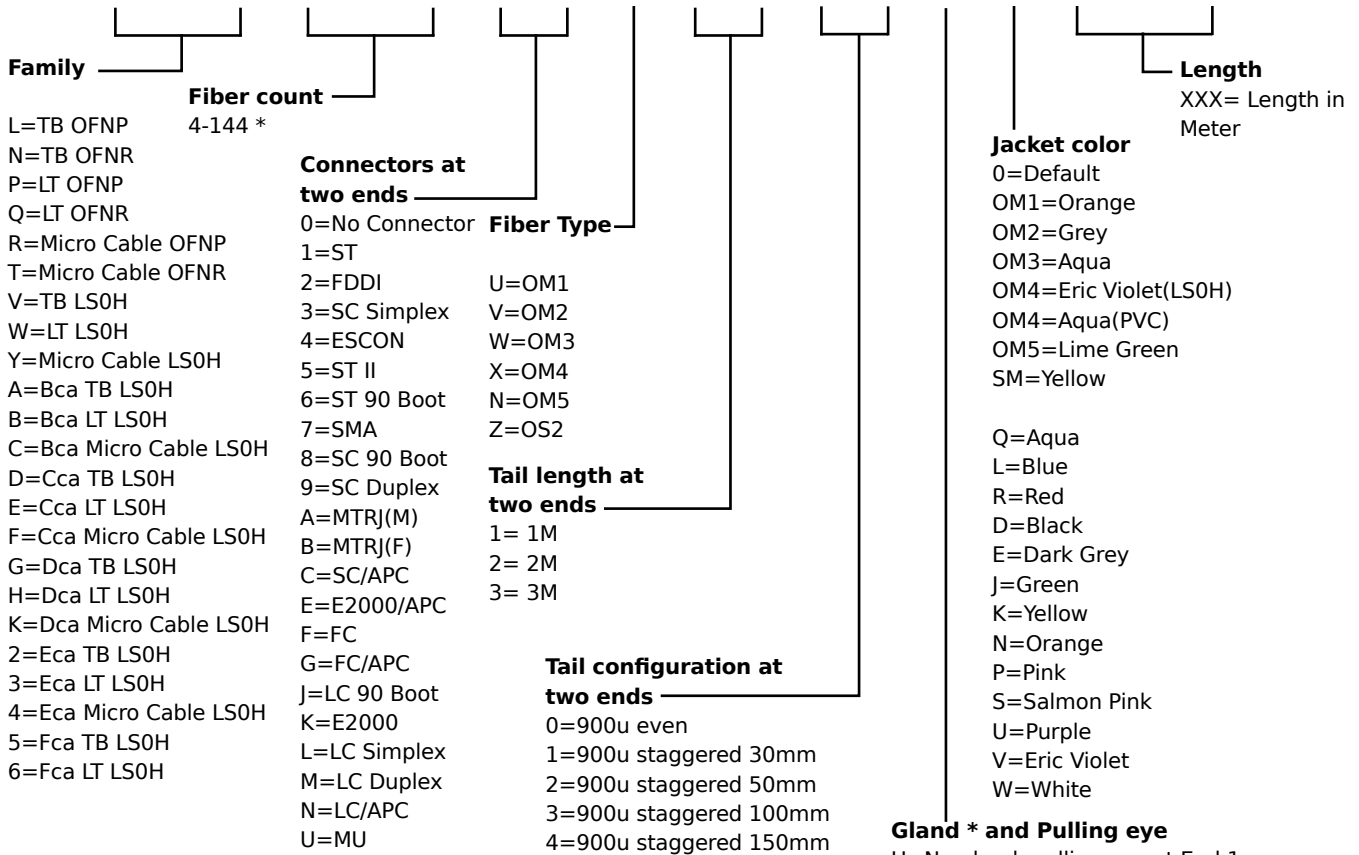
- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fiber versions
- Fibers compliant to ISO/IEC 11801 fiber specifications
- Wide variety of connector and cable types offered
- Cable length built to customer requirements

- Premium factory optical performance guaranteed
- RoHS compliant
- All assemblies are 100% factory tested - factory test results shipped with every assembly

## ORDERING INFORMATION

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

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



### Gland \* and Pulling eye

- U=No gland, pulling eye at End 1
- V=No gland, pulling eye at End 2
- Z=No gland and pulling eye
- Y=Gland at end 1, pulling eye at End 1
- T=Gland at end 1, pulling eye at End 2
- S=Gland at end 1, no pulling eye
- X=Gland at end 2, pulling eye at End 1
- G=Gland at end 2, pulling eye at End 2
- F=Gland at end 2, no pulling eye
- W=Gland at both ends, pulling eye at End 1
- B=Gland at both ends, pulling eye at End 2
- C=Gland at both ends, no pulling eye

\* Gland=M20 Default. Gland O.D dependent upon cable O.D

\* Micro-core cable only for 48 and above cores numbers

# Fiber Optic Solution Lightband Patch Cords

Molex's 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 end-face geometry and fiber core alignment to ensure reliability and optimised performance

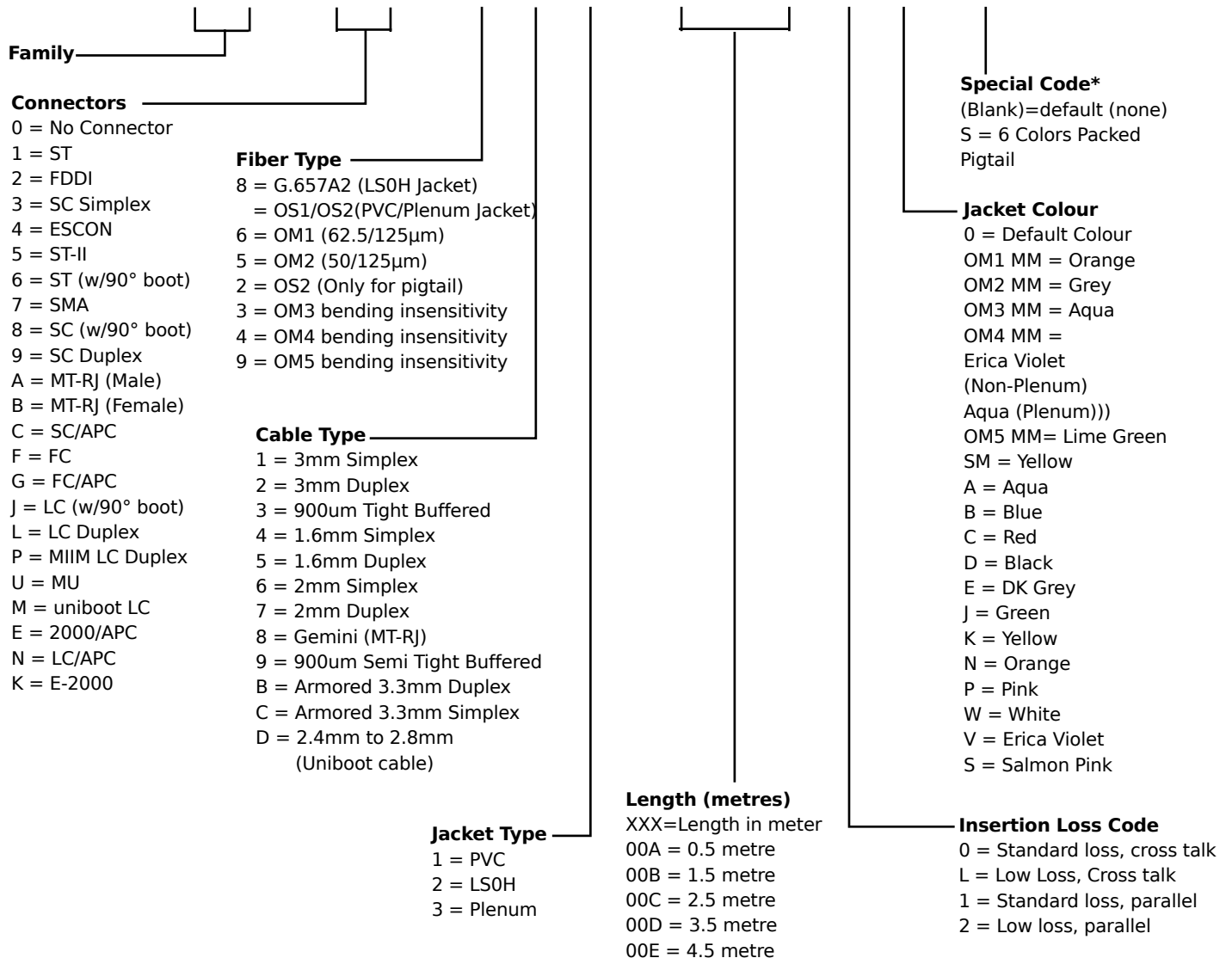


### Fiber Optic Patch Cords

- 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, Single Mode, Multi Mode and a variety of connector options

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

## 91.XX.XXX.XXXXX-X



For Example: To order a 1 metre 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 & Pigtails



SC Locking Patch Cords



LC Key

#### 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.

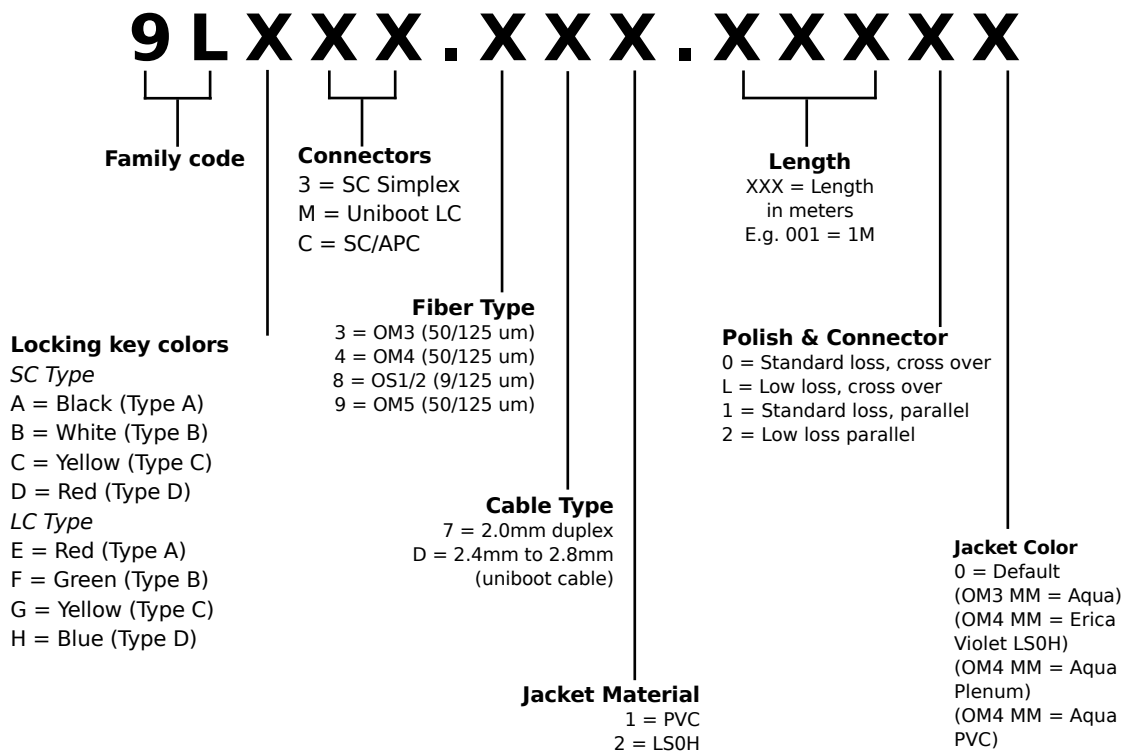
#### LC locking patch cord:

- Once Secure LC's 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 cord:

- 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 SM and MM 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	Color
OF-SC-KEY-A	18268-0053	Key (Type A) Optical Fiber Patch Cords Extraction, SC Type	Black
OF-SC-KEY-B	18268-0054	Key (Type B) Optical Fiber Patch Cords Extraction, SC Type	White
OF-SC-KEY-C	18268-0055	Key (Type C) Optical Fiber Patch Cords Extraction, SC Type	Yellow
OF-SC-KEY-D	18268-0056	Key (Type D) Optical Fiber Patch Cords Extraction, SC Type	Red
OF-LC-KEY-E	18268-0057	Key (Type A) Optical Fiber Patch Cords Extraction, LC Type	Red
OF-LC-KEY-F	18268-0058	Key (Type B) Optical Fiber Patch Cords Extraction, LC Type	Green
OF-LC-KEY-G	18268-0059	Key (Type C) Optical Fiber Patch Cords Extraction, LC Type	Yellow
OF-LC-KEY-H	18268-0060	Key (Type D) Optical Fiber Patch Cords Extraction, LC Type	Blue



## Fiber Optic Solution Lightband Patch Cords & 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.

- Ruggedised cable construction
- Insertion loss better than 0.35 dB
- All meet or exceed OM1, OM2 and OM3 Multimode and OS1 Singlemode standards

OM2 (50/125)	SAP No.	Description
91.10.532.00100	180610081	ST Pigtail, LS0H - 1m
91.30.532.00100	180610091	SC Pigtail, LS0H - 1m
91.L0.532.00100	180610092	LC Pigtail, LS0H - 1m

OM3 (50/125)	SAP No.	Description
91.10.332.00100	180610082	ST Pigtail, LS0H - 1m
91.30.332.00100	180610093	SC Pigtail, LS0H - 1m
91.L0.332.00100	180610094	LC Pigtail, LS0H - 1m

OM4 (50/125)	SAP No.	Description
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

OM5 (50/125)	SAP No.	Description
91.L0.932.00100	Consult Molex	LC Pigtail, LS0H - 1m

OS2 (9/125)	SAP No.	Description
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

Note: Other lengths available. Contact Molex for part no details

## Optical Fiber Solution Lightband Uniboot LC



### 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 OM4, OM5 cable
- Available in Low Loss OM3, OM4 and OS1/2 Fiber Types
- Reduces space required in cable ways and racks improving access and HVAC performance
- LS0H sheath

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 OS1/2, Low Loss, LS0H - Yellow

Note: Cable length can be customised. Insert required length in place of the YYY in the part number.

## Fiber Optic Solution Lightband Patch Cords & Pigtaills



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

The Uniboot LC Push-Pull Polarity Reversible Patch Cords are slim-line patch cords, ideal for Extreme high density applications. Using a uni-boot 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 OS2, OM3,OM4, OM5 cable
- Low loss available
- Polarity reversible
- Reduces space required in cable ways and racks improving access and HVAC performance
- LSOH sheath, OFNR, OFNP optional

Order No.	SAP No.	Description	Color
91.PP.3D2.XXXL0	Consult Molex	Optical Fibre Patch Cords, Uniboot Polarity Reversible, LC Push Pull-LC Push Pull, Multimode OM3, Low Loss, LSOH	Aqua
91.PP.4D2.XXXL0	Consult Molex	Optical Fibre Patch Cords, Uniboot Polarity Reversible, LC Push Pull-LC Push Pull, Multimode OM4, Low Loss, LSOH	Erica Violet
91.PP.9D2.XXXL0	Consult Molex	Optical Fibre Patch Cords, Uniboot Polarity Reversible, LC Push Pull-LC Push Pull, Multimode OM5, Low Loss, LSOH	Lime Green
91.PP.8D2.XXXL0	Consult Molex	Optical Fibre Patch Cords, Uniboot Polarity Reversible, LC Push Pull-LC Push Pull, Multimode G.657A2, Low Loss, LSOH	Yellow

# Optical Fiber Solution Lightband Rack Mount Solutions



RFR-00311-BK 1U Multi-Function Fiber Enclosure Gen II - Black



RFR-00311-BK rear



RFR-00311-BK with plates



RFR-00311-BK loaded with AFR-00534-AQ SC Duplex, 24 Fiber Adapter Plate, Shuttered - Aqua



RFR-00312-BK Locking Front Assembly Kit

## 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 for secure routing of patch cords can be retrofitted
- Optional locking kits provides security with its over-locking curved cam lock by locking into the top of the enclosure. The hinged top allow 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

Order No.	SAP No.	Description	Color
RFR-00311-BK	18037-0287	1U Multi-Function Fiber Enclosure Gen II	Black
<b>Optional Enhancements</b>			
RFR-00312-BK	18037-0288	Locking Front Assembly Kit for 1U Multi-Function Fiber Enclosure Gen II	Black
CMA-00111	18105-0048	Front Cable Manager for 1U Multi-Function Fiber Enclosure Gen II	Black
AFR-00468-04	18060-0394	6 Pak Adapter Front Plate	Black
AFR-00469-04	18060-0395	Full Length Blanking Plate	Black
AFR-00689-04	18060-0526	SC Simplex/LC Duplex, 1 Port Adapter Plate, Unloaded	Black
AFR-00690-04	18060-0527	MTP/MPO, 1 Port Adapter Plate, Unloaded	Black
AFR-00802	18081-0066	Jack Plate 19" 24P Unloaded for 1U Multi-Function Fiber Enclosure Gen II	Black
<b>Replacement Components</b>			
AFR-00470	18060-0217	Universal Splice Tray, 24 Fiber with built in Cable Management, 1U Global Enclosure	
AFR-00472	18060-0219	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 7.5-10mm M20	
91.A0880	Consult Molex	Gland 9.5-13.2mm M20	
91.A0890	Consult Molex	Gland 13-18mm M20	
CSP-00030	Consult Molex	Mounting Adapter Screw (24 pack)	

## Optical Fiber Solution Lightband Rack Mount Solutions



RFR-00311-BK 1U Multi-Function Fiber Enclosure  
Gen II - Black

Order No.	SAP No.	Description	Color
<b>RFR-00311-BK Specific Loaded Adapter Plates Unshuttered (Continued)</b>			
AFR-00598-BL	18060-0392	SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00599-GR	18060-0393	SC/APC Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00600-OL	18060-0402	SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00601-AQ	18060-0403	SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00602-EV	18060-0404	SC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00603-BL	18060-0405	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00604-GR	18060-0406	LC/APC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00605-OL	18060-0407	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00606-AQ	18060-0408	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00607-EV	18060-0409	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00608-BL	18060-0410	SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00609-GR	18060-0411	SC/APC Duplex, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00610-OL	18060-0412	SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00611-AQ	18060-0413	SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00612-EV	18060-0414	SC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00613-BL	18060-0415	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00614-GR	18060-0416	LC/APC Quad, 96 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00615-OL	18060-0417	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00616-AQ	18060-0418	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00617-EV	18060-0419	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00618-BL	18060-0420	SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00619-GR	18060-0421	SC/APC Duplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00620-OL	18060-0422	SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00621-AQ	18060-0423	SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00622-EV	18060-0424	SC Duplex, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00623-BL	18060-0425	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00624-GR	18060-0426	LC/APC Quad, 48 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00625-OL	18060-0427	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00626-AQ	18060-0428	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00627-EV	18060-0429	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00464-04	18060-0430	FC Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode	Black
AFR-00465-04	18060-0431	FC Simplex, 24 Fiber Adapter Plate, Unshuttered, Multimode	Black
AFR-00467-04	18060-0432	ST Simplex, 24 Fiber Adapter Plate, Unshuttered, Singlemode/Multimode	Black
AFR-00628-BL	18060-0433	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00629-GR	18060-0434	SC/APC Duplex, 36 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00630-OL	18060-0435	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00631-AQ	18060-0436	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00632-EV	18060-0437	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet

# Optical Fiber Solution Lightband Rack Mount Solutions



Order No.	SAP No.	Description	Color
<b>RFR-00311-BK Specific Loaded Adapter Plates Unshuttered (Continued)</b>			
AFR-00633-BL	18060-0438	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00634-GR	18060-0439	SC/APC Simplex, 6 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00635-OL	18060-0440	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00636-AQ	18060-0441	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00637-EV	18060-0442	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00638-BL	18060-0443	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00639-GR	18060-0444	LC/APC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00640-OL	18060-0445	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00641-AQ	18060-0446	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00642-EV	18060-0447	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00643-BL	18060-0448	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00644-GR	18060-0449	SC/APC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00645-OL	18060-0450	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00646-AQ	18060-0451	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00647-EV	18060-0452	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00648-BL	18060-0453	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Blue
AFR-00649-GR	18060-0454	LC/APC Quad, 24 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2	Green
AFR-00650-OL	18060-0455	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2	Beige
AFR-00651-AQ	18060-0456	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4	Aqua
AFR-00652-EV	18060-0457	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM4	Erica Violet
AFR-00689-LG	18060-0459	LC Duplex, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
AFR-00690-LG	18060-0460	SC Duplex 48 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
AFR-00691-LG	18060-0461	LC Quad, 96 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
AFR-00692-LG	18060-0462	SC Duplex 24 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
AFR-00693-LG	18060-0463	LC Quad, 48 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
AFR-00694-LG	18060-0464	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
AFR-00695-LG	18060-0465	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
AFR-00696-LG	18060-0466	LC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
AFR-00697-LG	18060-0467	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
AFR-00698-LG	18060-0468	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM5	Lime Green
<b>RFR-00311-BK Specific Loaded Adapter Plates Shuttered</b>			
AFR-00669-LG	18060-0474	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM5	Lime Green
AFR-00699-LG	18060-0469	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM5	Lime Green
AFR-00700-LG	18060-0470	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM5	Lime Green
AFR-00701-LG	18060-0471	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM5	Lime Green
AFR-00702-LG	18060-0472	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM5	Lime Green
AFR-00703-LG	18060-0473	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM5	Lime Green
AFR-00728-BL	18060-0496	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Blue
AFR-00729-GR	18060-0497	SC/APC Simplex, 6 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Green



## Optical Fiber Solution Lightband Rack Mount Solutions



Order No.	SAP No.	Description	Color
<b>RFR-00311-BK Specific Loaded Adapter Plates Shuttered (Continued)</b>			
AFR-00730-OL	18060-0498	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2	Beige
AFR-00731-AQ	18060-0499	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4	Aqua
AFR-00732-EV	18060-0500	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM4	Erica Violet
AFR-00733-BL	18060-0501	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Blue
AFR-00734-GR	18060-0502	LC/APC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Green
AFR-00735-OL	18060-0503	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2	Beige
AFR-00736-AQ	18060-0504	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4	Aqua
AFR-00737-EV	18060-0505	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM4	Erica Violet
AFR-00738-BL	18060-0506	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Blue
AFR-00739-GR	18060-0507	SC/APC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Green
AFR-00740-OL	18060-0508	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2	Beige
AFR-00741-AQ	18060-0509	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4	Aqua
AFR-00742-EV	18060-0510	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM4	Erica Violet
AFR-00743-BL	18060-0511	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Blue
AFR-00744-GR	18060-0512	LC/APC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Green
AFR-00745-OL	18060-0513	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2	Beige
AFR-00746-AQ	18060-0514	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4	Aqua
AFR-00747-EV	18060-0515	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM4	Erica Violet
AFR-00748-BL	18060-0516	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Blue
AFR-00749-GR	18060-0517	SC/APC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Green
AFR-00750-OL	18060-0518	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2	Beige
AFR-00751-AQ	18060-0519	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4	Aqua
AFR-00752-EV	18060-0520	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM4	Erica Violet
AFR-00753-BL	18060-0521	LC Quad, 48 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Blue
AFR-00754-GR	18060-0522	LC/APC Quad, 48 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2	Green
AFR-00755-OL	18060-0523	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2	Beige
AFR-00756-AQ	18060-0524	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4	Aqua
AFR-00757-EV	18060-0525	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM4	Erica Violet
<b>RFR-00311-BK Specific FTTX Adapter Plates</b>			
AFR-00766	18060-0537	LC, 4x64 Fiber Adapter Plate, Unloaded	
AFR-00769	18060-0540	SC, 2x32 Fiber Adapter Plate, Unloaded	
AFR-00762-BL	18060-0533	LC, 4x64 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00762-GR	18060-0557	LC, 4x64 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00763-BL	18060-0534	LC, 2x64 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00763-GR	18060-0558	LC, 2x64 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00764-BL	18060-0535	SC, 2x32 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00764-GR	18060-0559	SC, 2x32 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00765-BL	18060-0536	SC, 1x32 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00765-GR	18060-0560	SC, 1x32 Fiber Adapter Plate, Loaded, Shuttered	Green

# Optical Fiber Solution Lightband Rack Mount Solutions



## Adapter Plates (Loaded) *continued*

Order No.	SAP No.	Description	Color
<b>RFR-00311-BK Specific FTTX Adapter Plates (Continued)</b>			
AFR-00786-BL	18060-0561	LC, 4x32 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00786-GR	18060-0567	LC, 4x32 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00787-BL	18060-0562	LC, 4x16 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00787-GR	18060-0568	LC, 4x16 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00790-BL	18060-0565	LC, 1x32 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00790-GR	18060-0571	LC, 1x32 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00791-BL	18060-0566	LC, 1x16 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00791-GR	18060-0572	LC, 1x16 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00798-BL	18060-0573	SC, 2x16 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00798-GR	18060-0577	SC, 2x16 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00799-BL	18060-0574	SC, 2x8 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00799-GR	18060-0578	SC, 2x8 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00800-BL	18060-0575	SC, 1x16 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00800-GR	18060-0579	SC, 1x16 Fiber Adapter Plate, Loaded, Shuttered	Green
AFR-00801-BL	18060-0576	SC, 1x8 Fiber Adapter Plate, Loaded, Shuttered	Blue
AFR-00801-GR	18060-0580	SC, 1x8 Fiber Adapter Plate, Loaded, Shuttered	Green
<b>DataGate and Synergy Compatible 6 Fiber Plates</b>			
AFR-00440	18319-0029	6 Fiber Plate, 3XDG Module, Unequipped	
AFR-00441	18319-0030	6 Fiber Shielded Plate, 3XDG Module, Unequipped	

## 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 PC)
KFR-00053	182680049	Self Adhesive Cable Management Hub (2 pcs/pag), Black
KFR-00034	Consult Molex	Kevlar Retention Clamp (1 pc)
91.A0860	Consult Molex	Gland 4-8mm M20
91.A0870	Consult Molex	Gland 7.5-10mm M20
91.A0880	Consult Molex	Gland 9.5-13.2mm M20
91.A0890	Consult Molex	Gland 13-18mm M20
CSP-00030	Consult Molex	Mounting Adapter Screw (24 pack)

# Optical Fiber Solution

## Lightband

### Xtreme Density System Gen II



1RU 192F Xtreme Density Fiber Enclosure



Front door



1RU 144F Xtreme Density Fiber Enclosure

#### 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 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-10144	180660086	HD 1 RU Enclosure 12x12F Cassette Capacity MPO/LC 144F
XFR-10192	180660086	Xtreme Density 1 RU Enclosure 8x24F Cassette Capacity MPO/LC 192 F
CMA-00112	Consult Molex	Xtreme Density 1 RU Enclosure Front Door
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 Adatper Box, Adapter Loaded, SM
XFR-19205	181810292	Xtreme Density 8X MPO Adatper Box, Adapter Loaded, MM
XFR-19206	181810293	Xtreme Density 2X24F To 6X8F MPO Transfer Box, OS2, Low Loss
XFR-19207	181810294	Xtreme Density 2X24F To 6X8F MPO Transfer Box, OM3, Low Loss
XFR-19208	181810298	Xtreme Density 2X24F To 6X8F MPO Transfer Box, OM4, Low Loss
XFR-19209	181810295	Xtreme Density Cassette Capacity 1X24F MPO/LC OS2 Low Loss
XFR-19210	181810296	Xtreme Density Cassette Capacity 1X24F MPO/LC OM3 Low Loss
XFR-19211	181810297	Xtreme Density Cassette Capacity 1X24F MPO/LC OM4 Low Loss

# Fiber Optic Solution Lightband Enclosures



## 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
- Labelling 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



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Splice Trays  
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ModLink Cassettes  
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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
<b>Accessories</b>		
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	0180660017	Swing-Out Fiber Panel Chassis - 1U
RFR-00206	0180660018	Swing Out Fiber Panel Front Plate Blank
RFR-00207	0180660019	Swing Out Fiber Panel Shuttered Front Plate 6 Duplex SC SM
RFR-00208	0180660020	Swing Out Fiber Panel Shuttered Front Plate 6 SC MM
RFR-00209	0180660021	Swing Out Fiber Panel Shuttered Front Plate 12 Duplex LC SM
RFR-00210	0180660022	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
<b>Accessories</b>		
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)
KFR-00040	182680005	45mm Fusion Splice Protector - 2.2mm (o.d.)



# Fiber Optic Solution Lightband Enclosures



## 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. 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	180970073	12 Port LC 601 Enclosure, Multimode
WFR-00035-02	180970080	12 Port LC 601 Enclosure, Singlemode



AFR-00338



AFR-00337 AFR-00334 AFR-00335



Fusion Splice Protectors



AFR-00470



KFR-00053



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	0180600027	Universal Splicing Tray
AFR-00334	180690050	5 Fiber Mechanical Splice Holder
AFR-00336	180690052	Universal Splice Tray - 24 Fibers
AFR-00338	180690054	Universal Splice Tray - Unloaded
KFR-00052	Consult Molex	Fusion Splice Holder 24 Fiber
AFR-00335	180690051	6 Fiber Fusion Splice Holder
AFR-00337	180690053	12 Fiber Fusion Splice Holder
AFR-00470	180600217	Universal Splice Tray, 24 Fiber with built in Cable Management for 1U Multi-Function Fiber Enclosure (Self Adhesive, 2 pcs)
KFR-00053	182680049	Self Adhesive Cable Management Hub (2 pcs/pag), Black
KFR-00008	0180600025	45mm Fusion Splice Protector - 2.4mm (o.d.)
KFR-00009	0180600026	61mm Fusion Splice Protector - 2.4mm (o.d.)
KFR-00040	182680005	45mm Fusion Splice Protector - 2.2mm (o.d.)

• Compatible with Specification Grade Enclosures



# Fiber Optic Solution Lightband Splicing



### Modular Splice Cassettes

Molex's 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 reuse-able. 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
AFR-00340	Consult Molex	Modular Splice Cassette 6 Fiber Single Mode G.657A2 Duplex SC Blue
AFR-00340L	Consult Molex	Modular Splice Cassette 6 Fiber Single Mode G.657A2 Duplex SC Blue Low Loss
AFR-00341	Consult Molex	Modular Splice Cassette 6 Fiber Multimode OM1 Duplex SC Beige
AFR-00342	Consult Molex	Modular Splice Cassette 6 Fiber Multimode OM2 BI Duplex SC Beige
AFR-00343	Consult Molex	Modular Splice Cassette 6 Fiber Multimode OM3 BI Duplex SC Aqua
AFR-00343L	Consult Molex	Modular Splice Cassette 6 Fiber Multimode OM3 BI Duplex SC Aqua Low Loss
AFR-00344	Consult Molex	Modular Splice Cassette 12 Fiber Single Mode G.657A2 Duplex SC Blue
AFR-00344L	Consult Molex	Modular Splice Cassette 12 Fiber Single Mode G.657A2 Duplex SC Blue Low Loss
AFR-00345	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM1 Duplex SC Beige
AFR-00346	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM2 BI Duplex SC Beige
AFR-00347	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM3 BI Duplex SC Aqua
AFR-00347L	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM3 BI Duplex SC Aqua Low Loss
AFR-00348	Consult Molex	Modular Splice Cassette 12 Fiber Single Mode G.657A2 Duplex LC Blue
AFR-00348L	Consult Molex	Modular Splice Cassette 12 Fiber Single Mode G.657A2 Duplex LC Blue Low Loss
AFR-00349	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM1 Duplex LC Beige
AFR-00350	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM2 BI Duplex LC Beige
AFR-00351	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM3 BI Duplex LC Aqua
AFR-00351L	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM3 BI Duplex LC Aqua Low Loss
AFR-00352	Consult Molex	Modular Splice Cassette 24 Fiber Single Mode G.657A2 Quad LC Blue
AFR-00352L	Consult Molex	Modular Splice Cassette 24 Fiber Single Mode G.657A2 Quad LC Blue Low Loss
AFR-00353	Consult Molex	Modular Splice Cassette 24 Fiber Multimode OM1 Quad LC Beige
AFR-00354	Consult Molex	Modular Splice Cassette 24 Fiber Multimode OM2 BI Quad LC Beige
AFR-00355	Consult Molex	Modular Splice Cassette 24 Fiber Multimode OM3 BI Quad LC Aqua
AFR-00355L	Consult Molex	Modular Splice Cassette 24 Fiber Multimode OM3 BI Quad LC Aqua Low Loss
AFR-00382	Consult Molex	Modular Splice Cassette 6 Fiber Single Mode G.657A2 ST
AFR-00383	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM1 ST
AFR-00384	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM2 BI ST
AFR-00486	Consult Molex	Modular Splice Cassette 6 Fiber OM4 BI Duplex SC Erica Violet
AFR-00486L	Consult Molex	Modular Splice Cassette 6 Fiber OM4 BI Duplex SC Erica Violet Low Loss
AFR-00487	Consult Molex	Modular Splice Cassette 12 Fiber OM4 BI Duplex SC Erica Violet
AFR-00487L	Consult Molex	Modular Splice Cassette 12 Fiber OM4 BI Duplex SC Erica Violet Low Loss



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## Fiber Optic Solution Lightband Splicing



Order No.	SAP No.	Description
AFR-00488	Consult Molex	Modular Splice Cassette 12 Fiber OM4 BI Duplex LC Erica Violet
AFR-00488L	Consult Molex	Modular Splice Cassette 12 Fiber OM4 BI Duplex LC Erica Violet Low Loss
AFR-00489	Consult Molex	Modular Splice Cassette 24 Fiber OM4 BI QUAD LC Erica Violet
AFR-00489L	Consult Molex	Modular Splice Cassette 24 Fiber OM4 BI QUAD LC Erica Violet Low Loss
AFR-00503	Consult Molex	Modular Splice Cassette 6 Fiber OM4 BI Duplex SC Aqua
AFR-00503L	Consult Molex	Modular Splice Cassette 6 Fiber OM4 BI Duplex SC Aqua Low Loss
AFR-00504	Consult Molex	Modular Splice Cassette 12 Fiber OM4 BI Duplex SC Aqua
AFR-00504L	Consult Molex	Modular Splice Cassette 12 Fiber OM4 BI Duplex SC Aqua Low Loss
AFR-00505	Consult Molex	Modular Splice Cassette 12 Fiber OM4 BI Duplex LC Aqua
AFR-00505L	Consult Molex	Modular Splice Cassette 12 Fiber OM4 BI Duplex LC Aqua Low Loss
AFR-00506	Consult Molex	Modular Splice Cassette 24 Fiber OM4 BI QUAD LC Aqua
AFR-00506L	Consult Molex	Modular Splice Cassette 24 Fiber OM4 BI QUAD LC Aqua Low Loss
AFR-00382	Consult Molex	Modular Splice Cassette 6 Fiber Single Mode OS1/OS2 ST
AFR-00383	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM1 ST
AFR-00384	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM2 ST
AFR-00710-GR	Consult Molex	Modular Splice Cassette 6 Fiber Single Mode G.657A2 Duplex SC APC Green
AFR-00711-GR	Consult Molex	Modular Splice Cassette 6 Fiber Single Mode G.657A2 Duplex SC APC Green Low Loss
AFR-00712-LG	Consult Molex	Modular Splice Cassette 6 Fiber OM5 BI Duplex SC Lime Green
AFR-00713-LG	Consult Molex	Modular Splice Cassette 6 Fiber OM5 BI Duplex SC Lime Green Low Loss
AFR-00406	Consult Molex	Modular Splice Cassette 12 Fiber Single Mode G.657A2 Duplex SC APC Green
AFR-00406L	Consult Molex	Modular Splice Cassette 12 Fiber Single Mode G.657A2 Duplex SC APC Green Low Loss
AFR-00714-LG	Consult Molex	Modular Splice Cassette 12 Fiber OM5 BI Duplex SC Lime Green
AFR-00715-LG	Consult Molex	Modular Splice Cassette 12 Fiber OM5 BI Duplex SC Lime Green Low loss
AFR-00716-GR	Consult Molex	Modular Splice Cassette 12 Fiber G.657A2 Duplex LC APC Green
AFR-00717-GR	Consult Molex	Modular Splice Cassette 12 Fiber G.657A2 Duplex LC APC Green Low Loss
AFR-00718-LG	Consult Molex	Modular Splice Cassette 12 Fiber OM5 BI Duplex LC Lime Green
AFR-00719-LG	Consult Molex	Modular Splice Cassette 12 Fiber OM5 BI Duplex LC Lime Green Low loss
AFR-00720-GR	Consult Molex	Modular Splice Cassette 24 Fiber Single Mode G.657A2 Quad LC APC Green
AFR-00721-GR	Consult Molex	Modular Splice Cassette 24 Fiber Single Mode G.657A2 Quad LC APC Green Low Loss
AFR-00722-LG	Consult Molex	Modular Splice Cassette 24 Fiber OM5 BI QUAD LC Lime Green
AFR-00723-LG	Consult Molex	Modular Splice Cassette 24 Fiber OM5 BI QUAD LC Lime Green Low Loss
AFR-00499	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM3 BI ST
AFR-00490	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM4 BI ST
AFR-00499L	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM3 BI ST Low Loss
AFR-00490L	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM4 BI ST Low Loss
AFR-00382L	Consult Molex	Modular Splice Cassette 6 Fiber Single Mode G.657A2 ST Low Loss
AFR-00760	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM5 BI ST
AFR-00761	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM5 BI ST Low Loss

# Fiber Optic Solution Lightband Splicing



Order No.	SAP No.	Description
<i>Housing Part Numbers</i>		
AFR-00380	Consult Molex	Modular Splice Cassette Housing and Lid
AFR-00337	Consult Molex	24 Fiber Fusion Splice Holder
<i>Compatible Adapter Plate Part Numbers</i>		
AFR-00357	Consult Molex	ST 6 Fiber Adapter Plate
AFR-00358	Consult Molex	SC Duplex 6 Fiber SM Adapter Plate - Blue
AFR-00360	Consult Molex	SC Duplex 6 Fiber MM Adapter Plate - Beige
AFR-00363	Consult Molex	6 Fiber Blank Plastic pack of 4
AFR-00364	Consult Molex	ST 6 Fiber Adapter Plate unloaded
AFR-00365	Consult Molex	LC Duplex 12 Fiber SM Adapter Plate - Blue
AFR-00366	Consult Molex	LC Duplex 12 Fiber MM Adapter Plate - Beige
AFR-00367	Consult Molex	SC 6 Fiber Adapter Plate unloaded
AFR-00362	Consult Molex	SC Duplex 12 Fiber MM Adapter Plate - Beige
AFR-00368	Consult Molex	SC Duplex 12 Fiber SM Adapter Plate - Blue
AFR-00369	Consult Molex	LC Quad 12 Fiber SM Plate - Blue
AFR-00370	Consult Molex	LC Quad 12 Fiber MM Plate - Beige
AFR-00371	Consult Molex	FC 6 Fiber Adapter Plate
AFR-00372	Consult Molex	SC Duplex 6 Fiber MM OM3 Adapter Plate - Aqua
AFR-00374	Consult Molex	SC Duplex 12 Fiber MM OM3 Adapter Plate - Aqua
AFR-00375	Consult Molex	LC Quad 12 Fiber MM OM3 Adapter Plate - Aqua
AFR-00376	Consult Molex	LC Duplex 12 Fiber MM OM3 Adapter Plate - Aqua
AFR-00377	Consult Molex	LC Quad 24 Fiber MM OM1 LC Adapter Plate - Beige
AFR-00378	Consult Molex	LC Quad 24 Fiber MM OM3 LC Adapter Plate - Aqua
AFR-00379	Consult Molex	LC Quad 24 Fiber SM OS1/OS2 LC Adapter Plate - Blue
AFR-00501	Consult Molex	SC duplex 12 fiber MM OM4 SC adapter plate erica violet
AFR-00502	Consult Molex	LC QUAD 24 fiber MM OM4 LC adapter plate erica violet



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Enclosure Gen II  
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# 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 Fibre Enclosures
- Compatible with the Modular Splice Cassette housing and Lid (AFR-00380)

Order No.	SAP No.	Description
AFR-00357	180600135	ST 6 Fiber SM Adapter Plate
AFR-00358	180600136	SC Duplex 6 Fiber SM Adapter Plate - Blue
AFR-00360	180600138	SC Duplex 6 Fiber MM Adapter Plate - Beige
AFR-00363	180600141	6 Fiber Blank Metal pack of 4
AFR-00364	180600142	ST 6 Fiber Adapter Plate unloaded
AFR-00372	180600150	SC Duplex 6 Fiber MM OM3 Adapter Plate - Aqua
AFR-00500	180600246	SC Duplex 6 Fiber MM OM4 Adapter Plate - Erica Violet
AFR-00673-LG	180600478	SC Duplex, 6 Fiber Adapter Plate, Multimode, OM5 - Lime Green



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### 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.

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

Order No.	SAP No.	Description
AFR-00359	180600137	6 Fibre Shuttered Duplex SC Adapter Plate OS1/2 Blue
AFR-00229	180600100	6 Fibre Shuttered Duplex SC/APC Adapter Plate OS1/2 Green
AFR-00311	180600078	6 Fibre Shuttered Duplex SC Adapter Plate OM3 Aqua
AFR-00675-LG	118060-0482	6 Fibre Shuttered Duplex SC Adapter Plate OM5 Lime Green



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### 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.

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

Order No.	SAP No.	Description
AFR-00182	180600129	6 Fiber Angled Duplex SC Adapter Plate, Multimode
AFR-00548-EV	180600310	6 Fiber Angled Duplex SC Adapter Plate, OM3 - Aqua
AFR-00182-EV	180600310	6 Fiber Angled Duplex SC Adapter Plate, OM4 MM - Erica Violet
AFR-00183	180600116	6 Fiber Angled Duplex SC Adapter Plate, Singlemode
AFR-00185	180600131	6 Fiber Angled ST Adapter Plate, Singlemode



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# 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.

- RoHS Compliant
- 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 SM Adapter Plate - Blue
AFR-00366	180600144	LC Duplex 12 Fiber MM Adapter Plate - Beige
AFR-00376	180600154	LC Duplex 12 Fiber MM OM3 Adapter Plate - Aqua
AFR-00376-EV	180600305	LC Duplex 12 Fiber Adapter Plate, Multimode - Erica Violet
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 - Erica Violet
AFR-00678-LG	180600485	SC Duplex, 12 Fiber Adapter Plate, Multimode, OM5 Lime Green
AFR-00679-LG	180600486	LC Duplex, 12 Fiber Adapter Plate, Multimode, OM5 Lime Green



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#### 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.

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

Order No.	SAP No.	Description
AFR-00370	180600148	LC Quad 12 Fiber MM Adapter Plate - Beige
AFR-00369	180600147	LC Quad 12 Fiber SM Adapter Plate - Blue
AFR-00375	180600153	LC Quad 12 Fiber MM OM3 Adapter Plate - Aqua
AFR-00375-EV	180600306	LC Quad 12 Fiber MM OM4 Adapter Plate - Erica Violet
AFR-00681-LG	180600488	LC Quad 12 Fibre MM OM5 Adapter Plate - Lime Green



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#### 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.

- RoHS Compliant
- 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 MM OM1 Adapter Plate - Beige
AFR-00378	180600156	LC Quad 24 Fiber MM OM3 Adapter Plate - Aqua
AFR-00379	180600157	LC Quad 24 Fiber SM OS1 Adapter Plate - Blue
AFR-00502	180600248	LC Quad 24 Fiber MM OM4 Adapter Plate - Erica Violet
AFR-00684-LG	180600491	LC Quad, 24 Fibre MM OM5 Adapter Plate - Lime Green



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## Fiber Optic Solution Lightband Adapters

### High Density MPO/MTP Adapter Plate

Molex's 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
- Colour coded for ease of system separation
- 100% factory tested



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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 - Grey

### 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.

- RoHS Compliant
- NTT-SC and Bellcore 326 compliant connectors
- Meets TIA/EIA 568-B.3 and IEC 874-109 standards



Order No.	SAP No.	Description
18282-0033	182820033	SC/SC Duplex MM Phosphor Bronze Flange Mount Unshuttered - Beige
18282-0034	182820034	SC/SC Duplex MM Phosphor Bronze Snap Unshuttered - Beige
18282-0035	182820035	SC/SC Duplex MM Phosphor Bronze Flange Mount Unshuttered - Aqua
18282-0036	182820036	SC/SC Duplex MM Phosphor Bronze Snap Unshuttered - Aqua
18282-0037	182820037	SC/SC Duplex SM Zirconia Flange Mount Unshuttered - Blue
18282-0038	182820038	SC/SC Duplex SM Zirconia Snap Mount Unshuttered - Blue
18282-0090	182820090	SC Duplex MM OM4 Phosphor Bronze Snap Unshuttered - Erica Violet
18282-0091	182820091	SC Duplex MM OM4 Phosphor Bronze Flange Mount Unshuttered - Erica Violet
18282-0107	182820107	SC Duplex MM OM4 Zirconia Flange Mount Unshuttered - Erica Violet
18282-0111	182820111	SC Duplex MM OM4 Zirconia Snap Mount Unshuttered - Erica Violet

### Duplex SC/APC Adapters

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

- RoHS Compliant
- NTT-SC and Bellcore 326 compliant connectors
- Meets TIA/EIA 568-B.3 and IEC 874-109 standards



Order No.	SAP No.	Description
18282-0039	182820039	SC/SC APC Duplex SM Zirconia Flange Mount Unshuttered - Green
18282-0040	182820040	SC/SC APC Duplex SM Zirconia Snap Mount Unshuttered - Green

# Fiber Optic Solution Lightband Adapters



## LC Adapters

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

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

Order No.	SAP No.	Description
106127-1300A	1061271300A	LC Shuttered Duplex, Singlemode, Zirconia Alignment
106127-1310A	1061271310A	LC Shuttered Duplex, Multimode, Phosphor Bronze Alignment
18282-0041	182820041	LC Unshuttered Duplex, MM, Flange Mount, Phosphor Bronze Alignment - Beige
18282-0042	182820042	LC Unshuttered Duplex, MM, Snap Mount, Phosphor Bronze Alignment - Beige
18282-0043	182820043	LC Unshuttered Duplex, MM, Flange Mount, Phosphor Bronze Alignment - Aqua
18282-0044	182820044	LC Unshuttered Duplex, MM, Snap Mount, Phosphor Bronze Alignment - Aqua
18282-0045	182820045	LC Unshuttered Duplex, SM, Flange Mount, Zirconia Alignment - Blue
18282-0046	182820046	LC Unshuttered Duplex, SM, Snap Mount, Zirconia Alignment - Blue
18282-0047	182820047	LC Unshuttered APC Duplex, SM, Flange Mount, Zirconia Alignment - Green
18282-0048	182820048	LC Unshuttered APC Duplex, SM, Snap Mount, Zirconia Alignment - Green
18282-0089	182820089	LC Unshuttered Duplex MM OM4, Snap Mount, Zirconia Alignment - Erica Violet
18282-0092	182820092	LC Unshuttered Duplex MM OM4, Flange Mount, Zirconia Alignment - Erica Violet
106127-0410	Consult Molex	LC-LC Shuttered Duplex MM OM1/OM2 Phosphor Bronze Snap Mount - Beige
106127-0350	Consult Molex	LC-LC Shuttered Duplex MM OM3 Phosphor Bronze Flange Mount - Aqua
106127-1610	Consult Molex	LC-LC Shuttered Duplex MM OM3 Phosphor Bronze Snap Mount - Aqua
106127-1400	Consult Molex	LC-LC Shuttered Duplex SM OS1 Zirconia Ceramic Snap Mount - Blue
106127-1350	Consult Molex	LC-LC Shuttered Duplex SM OS1 Zirconia Ceramic Flange Mount - Green
106127-1450	Consult Molex	LC-LC Shuttered Duplex SM OS1 Zirconia Ceramic Snap Mount - Green

**SC Adapters** (compatible with Multi-Function Enclosure unloaded SC adapter plates)



## Duplex SC Adapters

Order No.	SAP No.	Description
AFR-00202	182620013	Duplex SC Singlemode OS1/2 Unshuttered Adapter - Blue
AFR-00203	182620013	Duplex SC Multimode OM1/2 Unshuttered Adapter - Beige
18282-0035	182620017	SC Multimode OM3 Unshuttered Adapter - Aqua
18282-0091	182820091	SC Multimode OM3 Unshuttered Adapter - Erica Violet

# Fiber Optic Solution Lightband Adapters



## ST Adapters

Order No.	SAP No.	Description	MM/SM	Sleeve	Colour	Mount
AFR-00200	180600093	ST/ST Duplex	SM	Zirconia	Blue	Flange
18282-0065	182820065	ST Simplex	SM/MM	Zirconia	Metal	Double-D



**LC Adapters** (compatible with Multi-Function Enclosure unloaded SC adapter plates)

## Duplex Adapters

Order No.	SAP No.	Description
18282-0045	182820045	Duplex LC Singlemode OS1/2 Unshuttered Adapter - Blue
106127-1300	1061271300	Duplex LC Singlemode OS1/2 Shuttered Adapter - Blue
18282-0041	182820041	Duplex LC Multimode OM1/2 Unshuttered Adapter - Beige
106127-0310	1061277030	Duplex LC Multimode OM1/2 Shuttered Adapter - Beige
18282-0043	182820043	Duplex LC Multimode OM3 Unshuttered Adapter - Aqua
106127-0350	1061270350	Duplex LC Multimode OM3 Shuttered Adapter - Aqua
18282-0116	182820116	Duplex LC Multimode OM3 Unshuttered Adapter - Erika Violet



## Quad Adapters

Order No.	SAP No.	Description
18282-0053	182820053	Quad LC Singlemode OS1/2 Unshuttered Adapter - Blue
106123-0200	1061230200	Quad LC Singlemode OS1/2 Shuttered Adapter - Blue
18282-0049	182820049	Quad LC Multimode OM1/2 Unshuttered Adapter - Beige
106123-1200	1061231200	Quad LC Multimode OM1/2 Shuttered Adapter - Beige
18282-0051	182820051	Quad LC Multimode OM3 Unshuttered Adapter - Aqua
106123-3200	1061233200	Quad LC Multimode OM3 Shuttered Adapter - Aqua
18282-0126	182820126	Quad LC Multimode OM3 Unshuttered Adapter - Erika Violet



## Connectors - Pre-Polished, Pre-Assembled, Xpress G2

Molex's Xpress G2 (second generation) Pre-Polished, Pre-Assembled Connectors provide quick reliable terminations and are easy to use.

- Quick assembly
- Low tooling investment - only strip and cleaving tool required
- Reliable performance - same environmental endurance as conventional connectors
- Multiple formats available - SC and LC form factors
- Available in Singlemode, Multimode, Angled Polish in 900µm & 250µm format

Order No.	SAP No.	Description
AFR-00387	182620013	LC Multimode OM1 250/900µm Beige 10 x Connector Kit
AFR-00388	182620014	LC Multimode OM2 250/900µm Black 10 x Connector Kit
AFR-00389	182620015	LC Multimode OM3 10g 250/900µm Aqua 10 x Connector Kit
AFR-00390	182620016	LC Singlemode OS1 250/900µm Blue 10 x Connector Kit
AFR-00391	182620017	SC Multimode OM1 250/900µm Beige 10 x Connector Kit
AFR-00392	182620018	SC Multimode OM2 250/900µm Black 10 x Connector Kit
AFR-00393	182620019	SC Multimode OM3 10g 250/900µm Aqua 10 x Connector Kit
AFR-00394	182620020	SC Singlemode OS1 250/900µm Blue 10 x Connector Kit
AFR-00395	182620021	SC/APC Singlemode OS1 250/900µm APC Green 10 x Connector Kit

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

Molex offers a comprehensive range of fiber-to-the-desk modular systems to suit all applications and market requirements. Elegantly designed, these products offer a low profile and versatile modular construction, allowing the user to easily expand the network as it grows.

Supporting SC, LC and ST fiber adapters, Molex's work area solutions are suitable for both Singlemode and Multimode installations and include Molex's unique "shuttered" technology protecting the user from harmful light emissions.

## 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
- For use within WM-12 wall mount fiber management system



Order No.	SAP No.	Description
17.A0162	0181210015	25 x 50mm Duplex SC Module, Multimode - 1 Adapter
17.A0172	0181210014	25 x 50mm Duplex SC Module, Singlemode - 1 Adapter
17.A0182	0182620006	25 x 50mm Duplex SC-ST Module, Multimode - 1 Adapter
17.A0192	0182620007	25 x 50mm Duplex SC-ST Module, Singlemode - 1 Adapter
17.A0202	0184000467	25 x 50mm Shuttered Duplex SC Module, Multimode - 1 Adapter
17.A0212	0184000466	25 x 50mm Shuttered Duplex SC Module, Singlemode - 1 Adapter
17.A0222	0182620008	25 x 50mm Shuttered Duplex SC-ST Module, Multimode - 1
MEU-00029-02	0181490006	25 x 50mm LC Module, Singlemode - 2 Adapters
MEU-00067-02	0182620012	25 x 50mm LC Module, Multimode - 2 Adapters

## Single Bezel ST Modules

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

- RoHS Compliant
- Available in Singlemode & Multimode versions
- DataGate™ footprint
- Available in 5 colours



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

\*\* Colour Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey

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



### Single Bezel SC Modules

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

- RoHS Compliant
- Designed to fit into Synergy surface blocks
- Available in 5 colours
- DataGate™ footprint

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

\*\* Colour Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey



### Single Bezel LC Modules

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

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

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

\*\* Colour Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey



### MMI Enclosure

- Wall mounted units for storing and protecting optical fiber
- Holds 1.5m of up to 12 fibers with 900 micron buffers
- Accepts up to six USO II fascias, enabling Category 5e or Category 6 performance

- Modules sold separately
- MMI-R provides rugged metal cover protection
- Accommodates ST, SC, MT-RJ & LC Euromod 25 x 50mm and 50 x 50mm Angled Fiber Modules

Order No.	SAP No.	Description
WFR-00016-01	0180970023	MMI-Plastic Cover - Almond
WFR-00016-02	0180970024	MMI-Plastic Cover - White
WFR-00016-08	0180970025	MMI-Plastic Cover - Light Grey
WFR-00017	0180970021	MMI-R-Metal Cover - Graphite Grey







*Connecting Data* >  
*Connecting Users*  
**Delivering Customers**

# Mission critical applications Simply Solved >



**ModLink is an ideal solution for mission critical applications, where fast installation is paramount and reconfigurations are frequent or managed in-house.**

**A viable tool for rapid deployment of an alternate data recovery system. In the event of damage or failure to a vital fiber backbone, the link can be quickly re-established without the need of technicians.**





## Pre-Terminated Solutions

### Product Features

Compactly sized, individual ModLink cassettes simply click into Molex's range of rack mount fiber management panels and enclosures, providing up to 96 ports in a 1U rack space. They offer front port identification plus labelling field on the cassette top for fiber documentation. Cables utilise OFNP or LS0H rated round loose tube cable featuring a flexible outer jacket that is easy to bend, route and install.

### Supports all major fiber connector technologies

The ModLink system is available to support LC and SC fiber connectivity. Providing up to 24 fiber ports in each cassette, the SC and LC range are designed to adhere to TIA/EIA 568-C.3, ISO/IEC 11801 and AS/NZS 3080 international fiber performance standards, the ModLink system supports OM1/2/3/4/5 and OS1/2 fiber applications

### ModLink Cassettes

ModLink Cassettes provide a cost-effective, quick and easy fiber system, for backbone and to-the-desk applications. 12 and 24 Port LC ModLink Cassettes provide premium factory-controlled optical performance, enabling flexible system configuration and fast, economical installation. The cassettes are low loss ready, ideal for 40G/100G providing consistent and error free performance. Simply plug the cable into the rear of the unit and the link is operational - an excellent solution for fast-track installations.

### ModLink Cables

ModLink LS0H and OFNP rated cables are factory terminated on both ends with multi-fiber MTP® connectors for maximum fiber density. The round, flexible outer jacket is easy to bend, route and install. The cable offers standard and industry-leading low insertion loss (0.35dB maximum insertion loss for laser optimised OM3/4/5 cables and OS1/2 cables, 0.10dB typical) varieties. ModLink advanced fiber optic cables are 100% tested.



## Pre-Terminated Solutions

### ModLink Fiber Plug & 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 labelling field on cassette top for fiber documentation
- For use within Molex's Fiber Management Systems

Order No.	SAP No.	Description
MLCDSC12OS2L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OS1/2 Singlemode
MLCDLC12OS2L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OS1/2 Singlemode
MLCQLC12OS2L	Consult Molex	12 Port ModLink Cassette, Quad LC, OS1/2 Singlemode
MLCDSC12OM2	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM2 50µm Multimode
MLCDLC12OM2	0181810147	12 Port ModLink Cassette, Duplex LC, OM2 50µm Multimode
MLCQLC12OM2	0180370267	12 Port ModLink Cassette, Quad LC, OM2 50µm Multimode
MLCDSC12OM3L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM3 50µm Multimode, Low Loss
MLCDLC12OM3L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM3 50µm Multimode, Low Loss
MLCQLC12OM3L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM3 50µm Multimode, Loss
MLCDSC12OM4L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM4 50µm Multimode, Low Loss
MLCDLC12OM4L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM4 50µm Multimode, Low Loss
MLCQLC12OM4L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM4 50µm Multimode, Low Loss
MLCDSC12OM5	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM5 Multimode
MLCDLC12OM5	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM5 Multimode
MLCQLC12OM5	Consult Molex	12 Port ModLink Cassette, Quad LC, OM5 Multimode
MLCDSC12OM5L	Consult Molex	12 Port ModLink Cassette, Duplex SC, Low Loss, OM5 Multimode
MLCDLC12OM5L	Consult Molex	12 Port ModLink Cassette, Duplex LC, Low Loss, OM5 Multimode



#### 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 labelling 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, Low Loss, OM3 50µm Multimode
MLCQLC24OM4L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OM4 50µm Multimode
MLCQLC24OM5	Consult Molex	24 Port ModLink Cassette, Quad LC, OM5 Multimode
MLCQLC24OM5L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OM5 Multimode
MLCQLC24OS2L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OS2 Singlemode

# Pre-Terminated Solutions

## ModLink Fiber

### Plug & Play



#### ModLink Cables

- LSOH 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
- 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 Optimised 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
- 4.5mm o.d.
- Standard and Low Loss versions available

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

# 9 1 - X A A B B - Y L L L C - E \*

#### Family

#### Fiber Count

- 21 = 12 MTP-MTP OFNP Double jacket
- 22 = 12 MTP-MTP LSOH Double jacket
- 23 = 24 MTP-MTP OFNP Double jacket
- 24 = 24 MTP-MTP LSOH Double jacket
- 25 = 8 MTP-MTP OFNP Double jacket
- 26 = 8 MTP-MTP LSOH 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 LSOH Single jacket
- 13 = 24 MTP-MTP OFNP Single jacket
- 14 = 24 MTP-MTP LSOH Single jacket
- 15 = 8 MTP-MTP OFNP Single jacket
- 16 = 8 MTP-MTP LSOH Single jacket
- 17 = 12 MTP-MTP OFNR Single jacket
- 18 = 24 MTP-MTP OFNR Single jacket
- 19 = 8 MTP-MTP OFNR Single jacket

#### Polarity Method/Gender

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

#### Length (metres)

- 001 = 1 metre
- 00A = 0.5 metre
- 00B = 1.5 metre
- 00C = 2.5 metre
- 00D = 3.5 metre
- 00E = 4.5 metre

#### Fiber Type

- 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

#### Euro Class

- B = Bca LSOH
- C = Cca LSOH
- D = Dca LSOH
- E = Eca LSOH
- F = Fca LSOH

#### Jacket Colour

- 0 = Default
- OM1 MM = Orange
- OM2 MM = Grey
- OM3 MM = Aqua
- OM4 MM = Erica 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 = Dk 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 = Erica Violet - EV
- W = White - WH

\* = For EU supply only



# Pre-Terminated Solutions

## ModLink Fiber

### Plug & 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 ruggedised tails and 900µm tails available
- Customised Tail Length and Configuration options available
- LSOH and OFNP cable jacket
- ROHS Compliant
- 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 No. Matrix - Substitute the correct code number or letter to determine the assembly construction

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

**Hybrid OF MTP- X Cables**

**8-144 Core Count**

**MTP Side Connector**

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

**Fiber Type**

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

**Tail length at MTP end/X end**

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

**Length (metres)**

- 001= 1m
- 00A=0.5m
- 00B=1.5m
- 00C=2.5m
- 00D=3.5m
- 00E=4.5m

**Sheath Type**

- A=LSOH
- B=Bca LSOH
- C=Cca LSOH
- D=Dca LSOH
- E=Eca LSOH
- F=Fca LSOH
- R=OFNR
- P=OFNP

**Side Connector**

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

**Tail configuration at MTP end\*/X end**

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

**Glands and Pulling Eye**

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

**Sheath Color**

- 0=Default
- OM1=Orange
- OM2= Gray
- OM3=Aqua
- OM4=Erica Violet (LSOH)
- 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= Erica Violet
- W= White

# Pre-Terminated Solutions

## ModLink Fiber

### Plug & Play



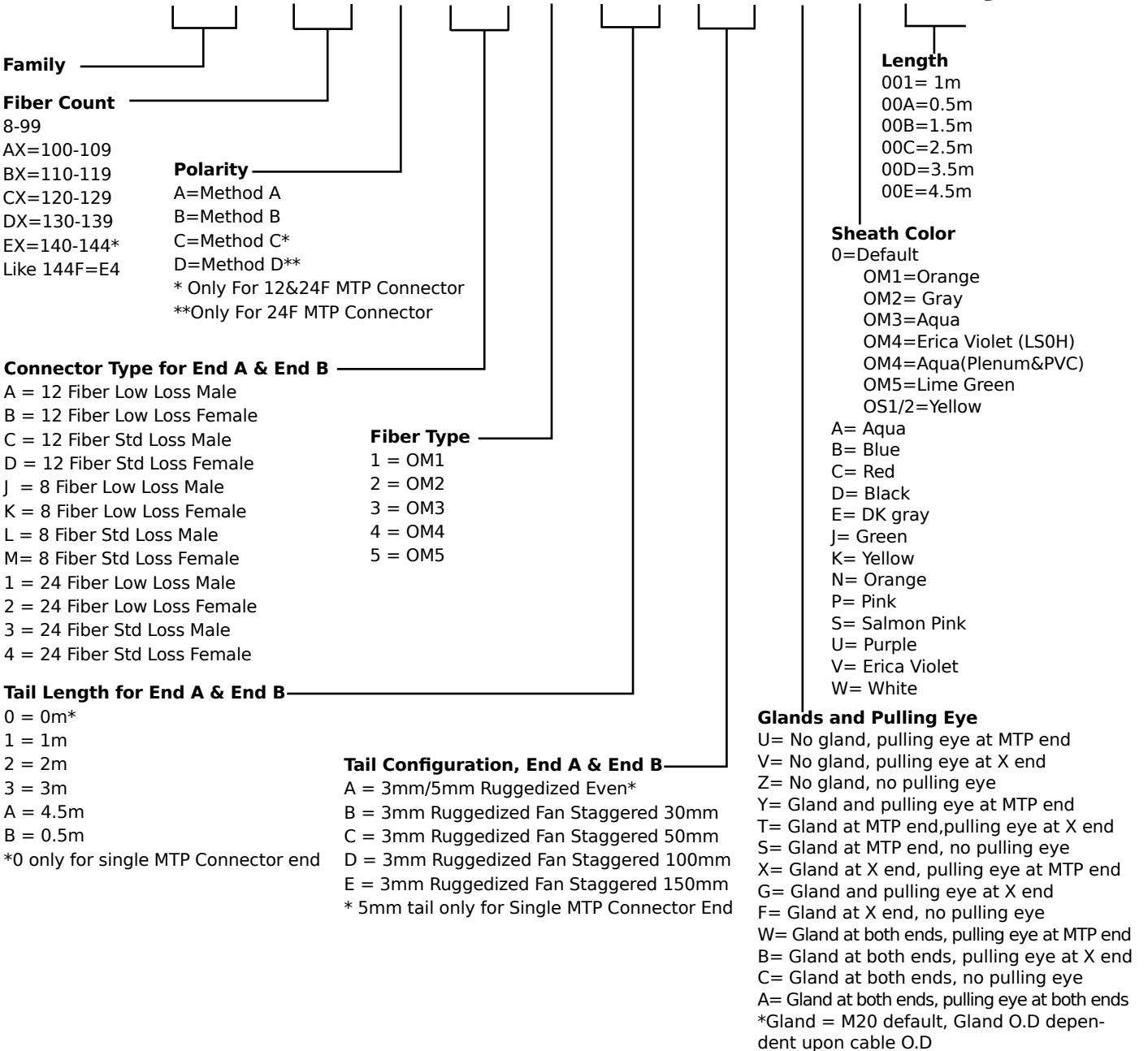
**Hybrid Pre-Terminated Cable Assemblies**  
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- Available in:
  - Low Loss: OS1/2, OM3/4/5
  - Standard Loss: OS1/2, OM1/2/3/4/5
- 8-144 core count available with 8, 12 or 24 cores MTP connector
- 2mm ruggedised tails and 900µm tails available
- Customised Tail Length and Configuration options available
- LS0H and OFNP cable jacket
- ROHS Compliant
- Ideal for: Internal short optical links
  - Front panel/equipment connections
  - Data center infrastructure
  - Storage Area Network (SAN)
- Available with a variety of connector types

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

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



## **Disruption in the work area Simply Solved >**



**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 the operators with “last mile” challenges. Passive optical networks (PONs) can offer a solution to these challenges.**



# Passive Optical Networks (PON)

## Attenuators

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..



## Splitters

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.



## Enclosures

### Wall-Mounted Steel Enclosure

The secure wall-mounted steel enclosure that 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.

Dome-type outdoor fibre optic splice enclosure is used for optical fibre cable splicing and protection in outdoor environments with a wide capability range from 12 to 288 fibres and features IP68 protection



# Fiber Optic Solution

## Lightband

### Passive Optical Networks (PON)

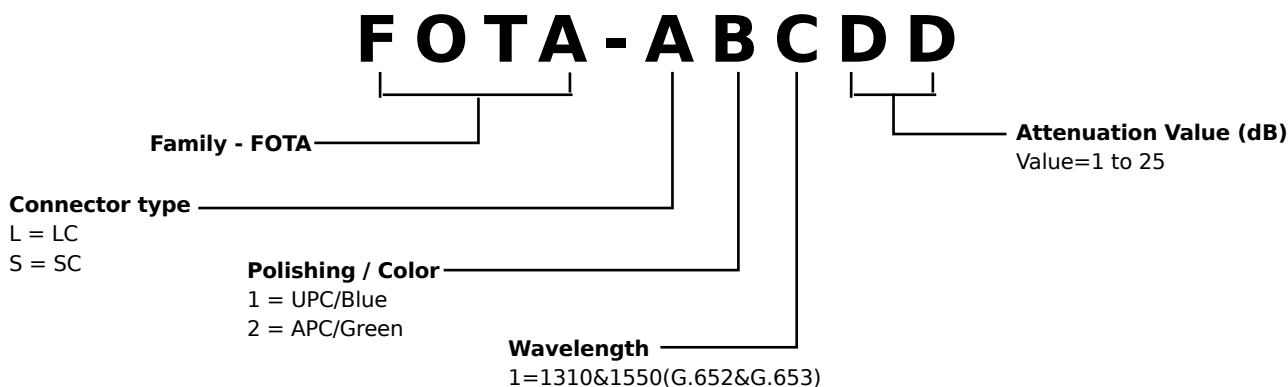


#### Attenuator

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 (PON)

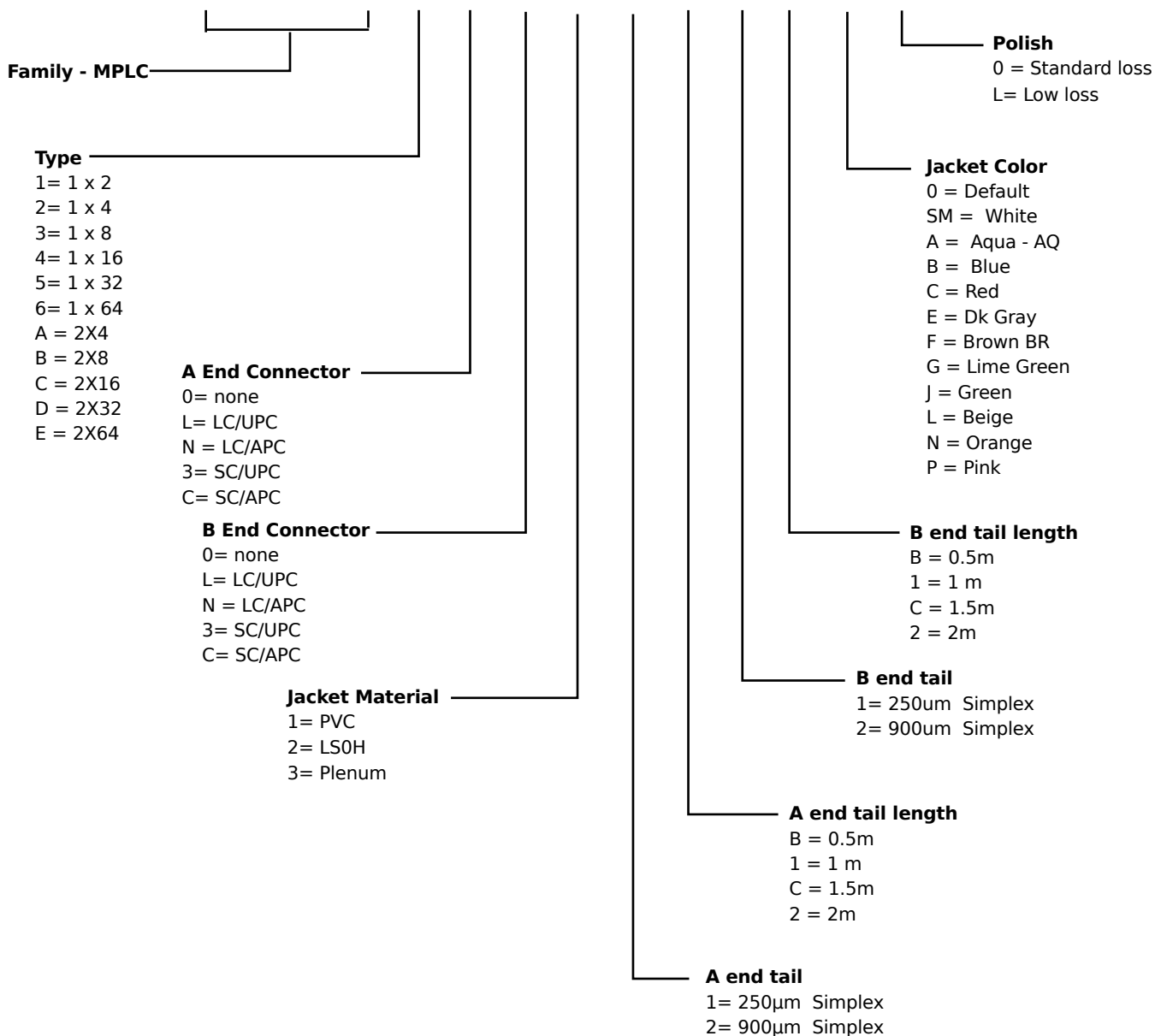


**PLC Splitter**  
 PLC Splitter is a component that splits the optical light power from one route into different routes. Molex PLC Splitter offers premium factory controlled optical performance on a variety of connectors that enable fast, economical installation.

- 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

# M P L C X X X X X X X X X X



## Fiber Optic Solution Lightband Passive Optical Networks (PON)



### Wall-Mounted Steel Enclosure

The secure wall-mounted steel enclosure that 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.

- Upto 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 labelling feature for additional panel or port identification
- Robust cable management shelf ensures bend radius compliance
- Global hardware kit included
- Support 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-00065	180970120	Enclosure Wallmount 24DSC/48QLC Unloaded Fiber Box
WFR-00065-I	180970121	Enclosure Wallmount 24DSC/48QLC Unloaded Fiber Box -
WFR-00066	180970139	Enclosure Wallmount 2/16P Simplex SC/Duplex LC Unloaded
WFR-00066-I	180970140	Enclosure Wallmount 2/16P Simplex SC/Duplex LC Unloaded
WFR-00068	180970142	Enclosure Wallmount Splitter Box Unloaded FTTX
WFR-00068-I	180970143	Enclosure Wallmount Splitter Box Unloaded FTTX - India
WFR-00069-I	180970157	Enclosure Wallmount 24DSC Fiber Box, Adapter&Pigtail
WFR-00070-I	180970158	Enclosure Wallmount 48QLC Fiber Box, Adapter&Pigtail



### Dome Outdoor Fiber Optic Splice Enclosure

Molex CES dome type outdoor Fiber optic splice enclosure that used for optical Fiber cable splicing and protection in outdoor environment with wide capability range from 12 to 288 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

## Fiber Optic Solution Lightband Passive Optical Networks (PON)



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

Molex CES In-Line type outdoor Fiber optic splice enclosure that used for optical Fiber cable splicing and protection in outdoor environment with 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

# Managing your wiring closet Simply Solved >



**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

### Cable Management Solutions





## Cable Management Solutions



### Ring Run Panels

- 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

1U Order No.	SAP No.	2U Order No.	SAP No.	Description
25.B016G	0180320002	25.B013G	0180320001	Ring Run
25.B035G	0180320007	25.B058G	0180320008	Deep Ring Run
25.B018G	Consult Molex	25.B019G	Consult Molex	Blank Panels
25.A029G	Consult Molex	-	Consult Molex	Cable Brush Tidy
25.C001G	Consult Molex	-	Consult Molex	Panel 1U with cover



### Horizontal Ring Run with Hinged Cover

- 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
- The hinged cover provides a neat and tidy finish

1U Order No.	SAP No.	Description
CMA-00085	0181050006	1U Horizontal Cable Manager
CMA-00087	0181050006	2U Horizontal Cable Manager



*Connecting Data* >  
*Connecting Users*  
**Delivering Inspiration**

# Multi-media connectivity Simply Solved >



**Additional solutions from Molex to enhance your connectivity, providing voice termination cabling to multi-media audio & video modules.**



## Additional Solutions

### Voice

The Molex Voice Solution provides a range of products to allow the termination of dedicated voice cabling in a structured cabling environment.

### Outlet Configurations

Molex provide a vast range of outlet mounting platforms covering wallplates and surface mount boxes. Our range has been designed to allow the fitment of industry standard RJ-45 products as well as our modular Synergy/DataGate foot print. The Molex Synergy foot print allows a modular fit out at the outlet. With modules that cover C5E, C6, C6A audio/visual as well as optical fiber, Molex is able to deliver an integrated communications suite.



## Voice and Telco Solutions



### 50 Port Voice Panel

The 50 Port 1U Voice Panels are a cost-effective product range designed to utilise 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 colour 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	0182040013	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	0182030022	10 Pair Disconnect Module Clip On
DCN-00002	0182030002	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
- LSOH Sheaths
- Colour 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 LSOH Eca cable - per metre
CAA-00382	Consult Molex	Category 3 50 Pair LSOH Eca cable - per metre



## 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 labelling 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 labelling facility
- RoHS compliant
- 38.5 x 25mm angled fascia
- Compatible with Keystone Jacks

Order No.	SAP No.	Description
MMS-00020-02	1817703302	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 labelling 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 colour matched material

- RoHS compliant
- 25 x 50mm angled fascia
- Compatible with Keystone Jacks
- Matching single and double gang wall plates

- Integral spring loaded shutter
- Protected labelling facility

Order No.	SAP No.	Description
MEU-00073-02	181770332	Euromod Keystone Jack Fascia, 25 x 50mm, unloaded - white
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



### 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 labelling window facility. The product is compatible with Legrand Mosaic wall plates (not supplied).

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

Order No.	SAP No.	Description
MLG-00037-02	0181770331	Keystone Jack Fascia, 22.5 x 45mm, unloaded - white

## Outlet Configuration Solutions



### 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 labelling window facility. The fascia includes a 50 x 50mm outer bezel.

- 50 x 50mm angled fascia with bezel
- Integral shutters
- Protected labelling facility
- RoHS compliant
- Compatible with Keystone Jacks

Order No.	SAP No.	Description
WNC-00052-02	0181770335	DIN 49075 Keystone Jack Fascia 2 Port with Bezel, unloaded - white



### Contura Wallplate

- 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	0181770083	Contura Single Gang Wallplate (includes grid plate), White - Unloaded
WGB-00002-02	0181770084	Contura Double Gang Wallplate (includes grid plate), White - Unloaded
MGB-00002-02	0181770216	Contura Blank Module - White



### Euromod Wallplates

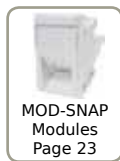
- Three Port 71mm x 114mm aperture size
- Single Gang 50mm x 50mm aperture size
- Double Gang 50mm x 100mm aperture size
- Low profile design

- Available in white only
- Flexible and versatile method of installation
- Available with or without labelling facility
- Accommodates Euromod modules



Order No.	SAP No.	Description
17.C0012	0181770001	Unlabelled Three Port Euromod Wallplate, 114mm x 71mm x 9mm - Unloaded
17-0101-02	Consult Molex	Euromod Single Gang Wallplate, 50mm x 50mm, No Labelling Facility
17-0102-02	Consult Molex	Euromod Double Gang Wallplate, 50mm x 100mm, No Labelling Facility
17-0111-02	0180060058	Euromod Single Gang Wallplate, 50mm x 50mm, Labelling Facility
17-0112-02	0181390002	Euromod Double Gang Wallplate, 50mm x 100mm, Labelling Facility
17-0412-02	0180060060	Euromod Quarter (12.5 x 50mm) Blank - White
17-0413-02	0180060061	Euromod Half (25 x 50mm) Blank - White
17-0414-02	0180060062	Euromod Full (50 x 50mm) Blank - White

## Outlet Configuration Solutions



### MOD-SNAP Wallplates

- Single Gang Wallplate: 50mm x 50mm
- Double Gang Wallplate: 50mm x 100mm

- Available in white only
- Flexible and versatile method of installation
- Accommodates MOD-SNAP modules

Order No.	SAP No.	Description
MMS-00014-02	Consult Molex	MOD-SNAP Blank Module - White
42-311-02	0181400006	MOD-SNAP Single Gang, Single Aperture, 86mm x 86mm - Unloaded
42-312-02	0181400005	MOD-SNAP Single Gang, Double Aperture, 86mm x 86mm - Unloaded
42-314-02	0181400008	MOD-SNAP Double Gang, 4 Aperture, 86mm x 146mm - Unloaded



CSP-00021



CSP-00022



Wallplate label holders and Labels

### 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
CSP-00021-**	Consult Molex	Blank Connector Icon Labels 6-Pack
CSP-00022-**	Consult Molex	Data Connector Icon Labels 6-Pack
CSP-00023-**	Consult Molex	Voice Connector Icon Labels 6-Pack

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

# Installation equipment Simply Solved >



**Molex offers a range of tools and testers to aid installation of copper and fiber systems.**



## Tools & Testers

### Termination Tools

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

### Testers

Standards have changed throughout the years but there has been one constant, Molex single line continuity tester (SLT), is the the mainstay of any installer's toolkit. This industry favourite, known for its long life and reliable performance is still available.







### 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 8 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.

Order No.	SAP No.	Description
KPD-00087	0181980070	Category 6 110 Style Multi-Pair Termination Tool with Head and Handle
31-001	0180380001	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	0180390011	SLT3S Tester (Master and Slave Units) with 9 Volt battery

# Order No. Reference

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31.0011	Consult Molex	4 Pair Termination Tool Frame	96	18282-0041	182820041	Duplex LC Multimode OM1/2 Unshuttered Adapter - Beige	68
31.0012	Consult Molex	Termination Head UTP	96	18282-0042	182820042	LC Unshuttered Duplex, MM, Snap Mount, Phosphor Bronze Alignment - Beige	67
31.0013	Consult Molex	Termination Head C6A	96	18282-0043	182820043	LC Unshuttered Duplex, MM, Flange Mount, Phosphor Bronze Alignment - Aqua	67
106123-0200	1061230200	Quad LC Singlemode OS1/2 Shuttered Adapter - Blue	68	18282-0043	182820043	Duplex LC Multimode OM3 Unshuttered Adapter - Aqua	68
106123-1200	1061231200	Quad LC Multimode OM1/2 Shuttered Adapter - Beige	68	18282-0044	182820044	LC Unshuttered Duplex, MM, Snap Mount, Phosphor Bronze Alignment - Aqua	67
106123-3200	1061233200	Quad LC Multimode OM3 Shuttered Adapter - Aqua	68	18282-0045	182820045	LC Unshuttered Duplex, SM, Flange Mount, Zirconia Alignment - Blue	67
106127-0310	1061277030	Duplex LC Multimode OM1/2 Shuttered Adapter - Beige	68	18282-0045	182820045	Duplex LC Singlemode OS1/2 Unshuttered Adapter - Blue	68
106127-0350	Consult Molex	LC-LC Shuttered Duplex MM OM3 Phosphor Bronze Flange Mount - Aqua	67	18282-0046	182820046	LC Unshuttered Duplex, SM, Snap Mount, Zirconia Alignment - Blue	67
106127-0350	1061270350	Duplex LC Multimode OM3 Shuttered Adapter - Aqua	68	18282-0047	182820047	LC Unshuttered APC Duplex, SM, Flange Mount, Zirconia Alignment - Green	67
106127-0410	Consult Molex	LC-LC Shuttered Duplex MM OM1/OM2 Phosphor Bronze Snap Mount - Beige	67	18282-0048	182820048	LC Unshuttered APC Duplex, SM, Snap Mount, Zirconia Alignment - Green	67
106127-1300	1061271300	Duplex LC Singlemode OS1/2 Shuttered Adapter - Blue	68	18282-0049	182820049	Quad LC Multimode OM1/2 Unshuttered Adapter - Beige	68
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106127-1310A	1061271310A	LC Shuttered Duplex, Multimode, Phosphor Bronze Alignment	67	18282-0053	182820053	Quad LC Singlemode OS1/2 Unshuttered Adapter - Blue	68
106127-1350	Consult Molex	LC-LC Shuttered Duplex SM OS1 Zirconia Ceramic Flange Mount - Green	67	18282-0065	182820065	ST Simplex SM/MM Zirconia Metal Double-D	68
106127-1400	Consult Molex	LC-LC Shuttered Duplex SM OS1 Zirconia Ceramic Snap Mount - Blue	67	18282-0089	182820089	LC Unshuttered Duplex MM OM4, Snap Mount, Zirconia Alignment - Erica Violet	67
106127-1450	Consult Molex	LC-LC Shuttered Duplex SM OS1 Zirconia Ceramic Snap Mount - Green	67	18282-0090	182820090	SC Duplex MM OM4 Phosphor Bronze Snap Unshuttered - Erica Violet	66
106127-1610	Consult Molex	LC-LC Shuttered Duplex MM OM3 Phosphor Bronze Snap Mount - Aqua	67	18282-0091	182820091	SC Duplex MM OM4 Phosphor Bronze Flange Mount Unshuttered - Erica Violet	66
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17.A0162	181210015	25 x 50mm Duplex SC Module, Multimode - 1 Adapter	69	18282-0107	182820107	SC Duplex MM OM4 Zirconia Flange Mount Unshuttered Erica Violet	66
17.A0172	181210014	25 x 50mm Duplex SC Module, Singlemode - 1 Adapter	69	18282-0111	182820111	SC Duplex MM OM4 Zirconia Snap Mount Unshuttered - Erica Violet	66
17.A0182	182620006	25 x 50mm Duplex SC-ST Module, Multimode - 1 Adapter	69	18282-0116	182820116	Duplex LC Multimode OM3 Unshuttered Adapter - Erica Violet	68
17.A0192	182620007	25 x 50mm Duplex SC-ST Module, Singlemode - 1 Adapter	69	18282-0126	182820126	Quad LC Multimode OM3 Unshuttered Adapter - Erica Violet	68
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17.C0012	181770001	Unlabelled Three Port Euromod Wallplate, 114mm x 71mm x 9mm - Unloaded	92	25.B016G	180320002	Ring Run	86
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17-0102-02	Consult Molex	Euromod Double Gang Wallplate, 50mm x 100mm, No Labelling	92	25.B035G	180320007	Deep Ring Run	86
17-0111-02	180060058	Euromod Single Gang Wallplate, 50mm x 50mm, Labelling Facility	92	25.B058G	180320008	Deep Ring Run	86
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17-0412-02	180060060	Euromod Quarter (12.5 x 50mm) Blank - White	92	35-X002	Consult Molex	Label holder and label pack (100) for Euromod/MOD-SNAP C5e	93
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91.L0.432.00100	Consult Molex	LC Pigtail, L50H - 1m	51	AFR-00352L	Consult Molex	Modular Splice Cassette 24 Fiber Single Mode G.657A2 Quad LC Blue Low Loss	61
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91.MM.972.YYYL0	Consult Molex	Optical Fiber Patch Cord LC Uniboot - LC Uniboot OM5 Low Loss L50H- Lime Green	51	AFR-00358	Consult Molex	SC Duplex 6 Fiber SM Adapter Plate - Blue	63
91.PP.3D2.XXXL0	Consult Molex	Optical Fibre Patch Cords, Uniboot Polarity Reversible, LC Push Pull-LC Push Pull, Multimode OM3, Low Loss, L50H	52	AFR-00358	180600136	SC Duplex 6 Fiber SM Adapter Plate - Blue	64
91.PP.4D2.XXXL0	Consult Molex	Optical Fibre Patch Cords, Uniboot Polarity Reversible, LC Push Pull-LC Push Pull, Multimode OM4, Low Loss, L50H	52	AFR-00359	180600137	6 Fibre Shuttered Duplex SC Adapter Plate OS1/2 Blue	64
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91.PP.9D2.XXXL0	Consult Molex	Optical Fibre Patch Cords, Uniboot Polarity Reversible, LC Push Pull-LC Push Pull, Multimode OM5, Low Loss, L50H	52	AFR-00360	180600138	SC Duplex 6 Fiber MM Adapter Plate - Beige	64
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AFR-00338	180690054	Universal Splice Tray - Unloaded	60	AFR-00375	Consult Molex	LC Quad 12 Fiber MM OM3 Adapter Plate - Aqua	63
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AFR-00343	Consult Molex	Modular Splice Cassette 6 Fiber Multimode OM3 BI Duplex SC Aqua	61	AFR-00376-EV	180600305	LC Duplex 12 Fiber Adapter Plate, Multimode - Erica Violet	65
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AFR-00347	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM3 BI Duplex SC Aqua	61	AFR-00364	180600142	ST 6 Fiber Adapter Plate unloaded	60
AFR-00347L	Consult Molex	Modular Splice Cassette 12 Fiber Multimode OM3 BI Duplex SC Aqua Low Loss	61	AFR-00365	180600143	LC Duplex 12 Fiber SM Adapter Plate - Blue	61
AFR-00348	Consult Molex	Modular Splice Cassette 12 Fiber Single Mode G.657A2 Duplex LC Blue	61	AFR-00366	180600144	LC Duplex 12 Fiber MM Adapter Plate - Beige	61
AFR-00348L	Consult Molex	Modular Splice Cassette 12 Fiber Single Mode G.657A2 Duplex LC Blue Low Loss	61	AFR-00368	180600146	SC Duplex 12 Fiber Adapter Plate, Singlemode - Blue	61
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AFR-00630-OL	18060-0435	SC Duplex, 36 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2 Beige	54	AFR-00701-LG	18060-0471	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM5 Lime Green	55
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AFR-00636-AQ	18060-0441	SC Simplex, 6 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4 Aqua	55	AFR-00713-LG	Consult Molex	Modular Splice Cassette 6 Fiber OM5 BI Duplex SC Lime Green Low Loss	62
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AFR-00643-BL	18060-0448	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2 Blue	55	AFR-00720-GR	Consult Molex	Modular Splice Cassette 24 Fiber Single Mode G.657A2 Quad LC APC Green	62
AFR-00644-GR	18060-0449	SC/APC Duplex, 12 Fiber Adapter Plate, Unshuttered, Singlemode, OS1/2 Green	55	AFR-00721-GR	Consult Molex	Modular Splice Cassette 24 Fiber Single Mode G.657A2 Quad LC APC Green Low Loss	62
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AFR-00646-AQ	18060-0451	SC Duplex, 12 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4 Aqua	55	AFR-00723-LG	Consult Molex	Modular Splice Cassette 24 Fiber OM5 BI QUAD LC Lime Green Low Loss	62
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AFR-00650-OL	18060-0455	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM1/OM2 Beige	55	AFR-00731-AQ	18060-0499	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4 Aqua	56
AFR-00651-AQ	18060-0456	LC Quad, 24 Fiber Adapter Plate, Unshuttered, Multimode, OM3/OM4 Aqua	55	AFR-00732-EV	18060-0500	SC Simplex, 6 Fiber Adapter Plate, Shuttered, Multimode, OM4 Erica Violet	56
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AFR-00669-LG	18060-0474	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM5 Lime Green	55	AFR-00734-GR	18060-0502	LC/APC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2 Green	56
AFR-00673-LG	180600478	SC Duplex, 6 Fiber Adapter Plate, Multimode, OM5 - Lime Green	64	AFR-00735-OL	18060-0503	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2 Beige	56
AFR-00675-LG	118060-0482	6 Fibre Shuttered Duplex SC Adapter Plate OM5 Lime Green	64	AFR-00736-AQ	18060-0504	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4 Aqua	56
AFR-00678-LG	180600485	SC Duplex, 12 Fiber Adapter Plate, Multimode, OM5 Lime Green	65	AFR-00737-EV	18060-0505	LC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM4 Erica Violet	56
AFR-00679-LG	180600486	LC Duplex, 12 Fiber Adapter Plate, Multimode, OM5 Lime Green	65	AFR-00738-BL	18060-0506	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2 Blue	56
AFR-00681-LG	180600488	LC Quad 12 Fibre MM OM5 Adapter Plate - Lime Green	65	AFR-00739-GR	18060-0507	SC/APC Duplex, 12 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2 Green	56
AFR-00684-LG	180600491	LC Quad, 24 Fibre MM OM5 Adapter Plate - Lime Green	65	AFR-00740-OL	18060-0508	SC Duplex, 12 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2 Beige	56
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AFR-00743-BL	18060-0511	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2 Blue	56	CAA-00305	181740056	PowerCat 6 U/UTP LS0H Cable Dca-s2,d2,a1 Violet - 305m reel in a box	28
AFR-00744-GR	18060-0512	LC/APC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2 Green	56	CAA-00325	181740057	PowerCat 6 U/UTP LS0H Cable Dca-s2,d2,a1 Violet - 500m	28
AFR-00745-OL	18060-0513	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2 Beige	56	CAA-00326	181740058	PowerCat 6 U/UTP PVC Cable Eca Grey - 500m Reel	28
AFR-00746-AQ	18060-0514	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4 Aqua	56	CAA-00358	183530002	Category 7 S/FTP LS0H Cable Dca-s1a,d1,a1 Violet - 1000m	16
AFR-00747-EV	18060-0515	LC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM4 Erica Violet	56	CAA-00360	183530002	Category 7A S/FTP LS0H Cable Dca-s1a,d1,a1 Violet - 500m reel	16
AFR-00748-BL	18060-0516	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2 Blue	56	CAA-00380	Consult Molex	Category 3 25 Pair LS0H Eca cable - per metre	90
AFR-00749-GR	18060-0517	SC/APC Duplex, 24 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2 Green	56	CAA-00382	Consult Molex	Category 3 50 Pair LS0H Eca cable - per metre	90
AFR-00750-OL	18060-0518	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2 Beige	56	CAA-00418	183020048	Cat6A U/FTP Gel Filled Outdoor PE Cable Nylon Fca Blue 305m	20
AFR-00751-AQ	18060-0519	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4 Aqua	56	CAA-00419-OH	181740138	Cat6 U/UTP Gel Filled Outdoor PE Cable Nylon Fca Blue 305 m	28
AFR-00752-EV	18060-0520	SC Duplex, 24 Fiber Adapter Plate, Shuttered, Multimode, OM4 Erica Violet	56	CAA-00424-BL	1810000014	PowerCat 6A Unshielded Dca-s2,d2,a1 Cable Blue 500m reel	14
AFR-00753-BL	18060-0521	LC Quad, 48 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2 Blue	56	CAA-0322L-VL	183020029	PowerCat 6A U/FTP LS0H Cable Dca-s2,d1,a1 Violet - 500m	16
AFR-00754-GR	18060-0522	LC/APC Quad, 48 Fiber Adapter Plate, Shuttered, Singlemode, OS1/2 Green	56	CAA-0334-VL	183020023	PowerCat 6A U/FTP LS0H Cable Cca-s1a,d1,a1 Violet - 500m	16
AFR-00755-OL	18060-0523	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM1/OM2 Beige	56	CAA-0336-VL	Consult Molex	PowerCat 6 LS0H Cable B2ca-s1a,d1,a1 - 305m Reel in a Box	28
AFR-00756-AQ	18060-0524	LC Quad, 48 Fiber Adapter Plate, Shuttered, Multimode, OM3/OM4 Aqua	56	CAA-0413-VL	183020040	PowerCat 6A U/FTP LS0H Cable B2ca-s1a,d1,a1 Violet 500m	16
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AFR-00760	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM5 BI ST	62	CFR-00374	180580441	6 Core Internal/External Tight buffered OM2 Cable - Green Eca	44
AFR-00761	Consult Molex	Modular Splice Cassette 6 Fiber Multi-mode OM5 BI ST Low Loss	62	CFR-00375	180580441	8 Core Internal/External Tight buffered OM2 Cable - Green Eca	44
AFR-00762-BL	18060-0533	LC, 4x64 Fiber Adapter Plate, Loaded, Shuttered Blue	56	CFR-00376	180580441	12 Core Internal/External Tight buffered OM2 Cable - Green Eca	44
AFR-00762-GR	18060-0557	LC, 4x64 Fiber Adapter Plate, Loaded, Shuttered Green	56	CFR-00378	180580445	24 Core Internal/External Tight buffered OM2 Cable - Green Eca	44
AFR-00763-BL	18060-0534	LC, 2x64 Fiber Adapter Plate, Loaded, Shuttered Blue	56	CFR-00380	180580449	4 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00763-GR	18060-0558	LC, 2x64 Fiber Adapter Plate, Loaded, Shuttered Green	56	CFR-00380	180580449	4 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00764-BL	18060-0535	SC, 2x32 Fiber Adapter Plate, Loaded, Shuttered Blue	56	CFR-00381	180580451	6 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00764-GR	18060-0559	SC, 2x32 Fiber Adapter Plate, Loaded, Shuttered Green	56	CFR-00381	180580451	6 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00765-BL	18060-0536	SC, 1x32 Fiber Adapter Plate, Loaded, Shuttered Blue	56	CFR-00382	180580453	8 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00765-GR	18060-0560	SC, 1x32 Fiber Adapter Plate, Loaded, Shuttered Green	56	CFR-00382	180580453	8 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00766	18060-0537	LC, 4x64 Fiber Adapter Plate, Unloaded	56	CFR-00383	180580454	12 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00769	18060-0540	SC, 2x32 Fiber Adapter Plate, Unloaded	56	CFR-00383	180580454	12 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00786-BL	18060-0561	LC, 4x32 Fiber Adapter Plate, Loaded, Shuttered Blue	57	CFR-00384	180580455	24 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00786-GR	18060-0567	LC, 4x32 Fiber Adapter Plate, Loaded, Shuttered Green	57	CFR-00384	180580455	24 Core Internal/External Tight buffered OM3 Cable - Green Eca	44
AFR-00787-BL	18060-0562	LC, 4x16 Fiber Adapter Plate, Loaded, Shuttered Blue	57	CFR-00387	180580464	4 Core Internal/External Tight buffered OS2 Cable - Green Eca	45
AFR-00787-GR	18060-0568	LC, 4x16 Fiber Adapter Plate, Loaded, Shuttered Green	57	CFR-00388	180580466	6 Core Internal/External Tight buffered OS2 Cable - Green Eca	45
AFR-00790-BL	18060-0565	LC, 1x32 Fiber Adapter Plate, Loaded, Shuttered Blue	57	CFR-00389	180580468	8 Core Internal/External Tight buffered OS2 Cable - Green Eca	45
AFR-00790-GR	18060-0571	LC, 1x32 Fiber Adapter Plate, Loaded, Shuttered Green	57	CFR-00390	180580469	12 Core Internal/External Tight buffered OS2 Cable - Green Eca	45
AFR-00791-BL	18060-0566	LC, 1x16 Fiber Adapter Plate, Loaded, Shuttered Blue	57	CFR-00392	180580471	24 Core Internal/External Tight buffered OS2 Cable - Green Eca	45
AFR-00791-GR	18060-0572	LC, 1x16 Fiber Adapter Plate, Loaded, Shuttered Green	57	CFR-00493	180580677	4 Core Internal/External Tight buffered OM3 Cable - Aqua Cca-s1a,d1,a1	44
AFR-00798-BL	18060-0573	SC, 2x16 Fiber Adapter Plate, Loaded, Shuttered Blue	57	CFR-00494	180580678	6 Core Internal/External Tight buffered OM3 Cable - Aqua Cca-s1a,d1,a1	44
AFR-00798-GR	18060-0577	SC, 2x16 Fiber Adapter Plate, Loaded, Shuttered Green	57	CFR-00495	180580679	8 Core Internal/External Tight buffered OM3 Cable - Aqua Cca-s1a,d1,a1	44
AFR-00799-BL	18060-0574	SC, 2x8 Fiber Adapter Plate, Loaded, Shuttered Blue	57	CFR-00496	180580523	12 Core Internal/External Tight buffered OM3 Cable - Aqua Cca-s1a,d1,a1	44
AFR-00799-GR	18060-0578	SC, 2x8 Fiber Adapter Plate, Loaded, Shuttered Green	57	CFR-00497	180580640	24 Core Internal/External Tight buffered OM3 Cable - Aqua Cca-s1a,d1,a1	44
AFR-00800-BL	18060-0575	SC, 1x16 Fiber Adapter Plate, Loaded, Shuttered Blue	57	CFR-00498	180580680	4 Core Internal/External Tight buffered OS2 Cable - Yellow Cca-s1a,d1,a1	45
AFR-00800-GR	18060-0579	SC, 1x16 Fiber Adapter Plate, Loaded, Shuttered Green	57	CFR-00499	180580678	6 Core Internal/External Tight buffered OS2 Cable - Yellow Cca-s1a,d1,a1	45
AFR-00801-BL	18060-0576	SC, 1x8 Fiber Adapter Plate, Loaded, Shuttered Blue	57	CFR-00500	180580682	8 Core Internal/External Tight buffered OS2 Cable - Yellow Cca-s1a,d1,a1	45
AFR-00801-GR	18060-0580	SC, 1x8 Fiber Adapter Plate, Loaded, Shuttered Green	57	CFR-00501	180580285	12 Core Internal/External Tight buffered OS2 Cable - Yellow Cca-s1a,d1,a1	45
AFR-00802	18081-0066	Jack Plate 19" 24P Unloaded for 1U Multi-Function Fiber Enclosure Gen II Black	53	CFR-00502	180580683	24 Core Internal/External Tight buffered OS2 Cable - Yellow Cca-s1a,d1,a1	45
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CFR-00545	Consult Molex	6 Core Loose Tube Armoured OM2 Fibre Cable	47	CFR-00662	183150045	4 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Dca-s2-d2,a1	46
CFR-00546	Consult Molex	8 Core Loose Tube Armoured OM2 Fibre Cable	47	CFR-00663	183150046	6 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Dca-s2-d2,a1	46
CFR-00547	Consult Molex	12 Core Loose Tube Armoured OM2 Fibre Cable	47	CFR-00664	183150047	8 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Dca-s2-d2,a1	46
CFR-00548	Consult Molex	16 Core Loose Tube Armoured OM2 Fibre Cable	47	CFR-00665	183150048	12 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Dca-s2-d2,a1	46
CFR-00549	Consult Molex	24 Core Loose Tube Armoured OM2 Fibre Cable	47	CFR-00666	183150049	24 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Dca-s2-d2,a1	46
CFR-00551	Consult Molex	4 Core Loose Tube Armoured OM3 Fibre Cable	47	CFR-00667	183150050	4 Core Multipurpose Loose Tube OS2 Cable - Yellow Dca-s2-d2,a1	47
CFR-00552	Consult Molex	6 Core Loose Tube Armoured OM3 Fibre Cable	47	CFR-00668	183150051	6 Core Multipurpose Loose Tube OS2 Cable - Dca-s2-d2,a1	47
CFR-00553	Consult Molex	8 Core Loose Tube Armoured OM3 Fibre Cable	47	CFR-00669	183150052	8 Core Multipurpose Loose Tube OS2 Cable - Yellow Dca-s2-d2,a1	47
CFR-00554	Consult Molex	12 Core Loose Tube Armoured OM3 Fibre Cable	47	CFR-00670	183150053	12 Core Multipurpose Loose Tube OS2 Cable - Yellow Dca-s2-d2,a1	47
CFR-00555	Consult Molex	16 Core Loose Tube Armoured OM3 Fibre Cable	47	CFR-00671	183150054	24 Core Multipurpose Loose Tube OS2 Cable - Yellow Dca-s2-d2,a1	47
CFR-00556	Consult Molex	24 Core Loose Tube Armoured OM3 Fibre Cable	47	CFR-00672	183150055	4 Core Multipurpose Loose Tube OM3 Cable - Aqua Bca-s1a,d1,a1	45
CFR-00558	Consult Molex	4 Core Loose Tube Armoured OS1/S2 Fibre Cable	47	CFR-00673	183150056	6 Core Multipurpose Loose Tube OM3 Cable - Aqua Bca-s1a,d1,a1	45
CFR-00559	Consult Molex	6 Core Loose Tube Armoured OS1/S2 Fibre Cable	47	CFR-00674	183150057	8 Core Multipurpose Loose Tube OM3 Cable - Aqua Bca-s1a,d1,a1	45
CFR-00560	Consult Molex	8 Core Loose Tube Armoured OS1/S2 Fibre Cable	47	CFR-00675	183150058	12 Core Multipurpose Loose Tube OM3 Cable - Aqua Bca-s1a,d1,a1	45
CFR-00561	Consult Molex	12 Core Loose Tube Armoured OS1/S2 Fibre Cable	47	CFR-00676	183150059	24 Core Multipurpose Loose Tube OM3 Cable - Aqua Bca-s1a,d1,a1	45
CFR-00562	Consult Molex	16 Core Loose Tube Armoured OS1/S2 Fibre Cable	47	CFR-00677	183150060	4 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Bca-s1a,d1,a1	46
CFR-00563	Consult Molex	24 Core Loose Tube Armoured OS1/S2 Fibre Cable	47	CFR-00678	183150061	6 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Bca-s1a,d1,a1	46
CFR-00569	180580481	4 Core Multipurpose Loose Tube OM2 Cable - Blue Eca	45	CFR-00679	183150062	8 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Bca-s1a,d1,a1	46
CFR-00570	180580482	6 Core Multipurpose Loose Tube OM2 Cable - Blue Eca	45	CFR-00680	183150063	12 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Bca-s1a,d1,a1	46
CFR-00571	180580483	8 Core Multipurpose Loose Tube OM2 Cable - Blue Eca	45	CFR-00681	183150064	24 Core Multipurpose Loose Tube OM4 Cable - Erika Violet Bca-s1a,d1,a1	46
CFR-00572	180580484	12 Core Multipurpose Loose Tube OM2 Cable - Blue Eca	45	CFR-00682	183150065	4 Core Multipurpose Loose Tube OS2 Cable - Yellow Bca-s1a,d1,a1	46
CFR-00573	180580485	24 Core Multipurpose Loose Tube OM2 Cable - Blue Eca	45	CFR-00683	183150066	6 Core Multipurpose Loose Tube OS2 Cable - Yellow Bca-s1a,d1,a1	46
CFR-00574	180580486	4 Core Multipurpose Loose Tube OM3 Cable - Blue Eca	46	CFR-00684	183150067	8 Core Multipurpose Loose Tube OS2 Cable - Yellow Bca-s1a,d1,a1	46
CFR-00575	180580487	6 Core Multipurpose Loose Tube OM3 Cable - Blue Eca	46	CFR-00685	183150068	12 Core Multipurpose Loose Tube OS2 Cable - Yellow Bca-s1a,d1,a1	46
CFR-00576	180580488	8 Core Multipurpose Loose Tube OM3 Cable - Blue Eca	46	CFR-00686	183150069	24 Core Multipurpose Loose Tube OS2 Cable - Yellow Bca-s1a,d1,a1	46
CFR-00577	180580489	12 Core Multipurpose Loose Tube OM3 Cable - Blue Eca	46	CFR-00687	183280004	4 Core Internal/External Tight buffered OM3 Cable - Aqua Bca-s1a,d1,a1	44
CFR-00578	180580491	24 Core Multipurpose Loose Tube OM3 Cable - Blue Eca	46	CFR-00688	183280005	6 Core Internal/External Tight buffered OM3 Cable - Aqua Bca-s1a,d1,a1	44
CFR-00579	180580497	4 Core Multipurpose Loose Tube OS2 Cable - Blue Eca	47	CFR-00689	183280006	8 Core Internal/External Tight buffered OM3 Cable - Aqua Bca-s1a,d1,a1	44
CFR-00580	180580498	6 Core Multipurpose Loose Tube OS2 Cable - Blue Eca	47	CFR-00690	183280007	12 Core Internal/External Tight buffered OM3 Cable - Aqua Bca-s1a,d1,a1	44
CFR-00581	180580499	8 Core Multipurpose Loose Tube OS2 Cable - Blue Eca	47	CFR-00691	183280008	24 Core Internal/External Tight buffered OM3 Cable - Aqua Bca-s1a,d1,a1	44
CFR-00582	180580500	12 Core Multipurpose Loose Tube OS2 Cable - Blue Eca	47	CFR-00697	183280014	4 Core Internal/External Tight buffered OS2 Cable - Yellow Bca-s1a,d1,a1	45
CFR-00583	180580501	24 Core Multipurpose Loose Tube OS2 Cable - Blue Eca	47	CFR-00698	183280015	6 Core Internal/External Tight buffered OS2 Cable - Yellow Bca-s1a,d1,a1	45
CFR-00584	180580370	4 Core Internal/External Tight buffered OM4 Cable - Green Eca	44	CFR-00699	183280016	8 Core Internal/External Tight buffered OS2 Cable - Yellow Bca-s1a,d1,a1	45
CFR-00585	180580371	6 Core Internal/External Tight buffered OM4 Cable - Green Eca	44	CFR-00700	183280017	12 Core Internal/External Tight buffered OS2 Cable - Yellow Bca-s1a,d1,a1	45
CFR-00586	180580372	8 Core Internal/External Tight buffered OM4 Cable - Green Eca	44	CFR-00701	183280018	24 Core Internal/External Tight buffered OS2 Cable - Yellow Bca-s1a,d1,a1	45
CFR-00587	180580373	12 Core Internal/External Tight buffered OM4 Cable - Green Eca	44	CFR-00702	183150070	4 Core Internal/External Tight buffered OM5 Cable - Lime Green Dca-s2-d1,a1	46
CFR-00589	180580375	24 Core Internal/External Tight buffered OM4 Cable - Green Eca	44	CFR-00703	183280071	6 Core Internal/External Tight buffered OM5 Cable - Lime Green Dca-s2-d1,a1	46
CFR-00594	180580492	4 Core Multipurpose Loose Tube OM4 Cable - Blue Eca	46	CFR-00704	183280072	8 Core Internal/External Tight buffered OM5 Cable - Lime Green Dca-s2-d1,a1	46
CFR-00595	180580493	6 Core Multipurpose Loose Tube OM4 Cable - Blue Eca	46	CFR-00705	183280073	12 Core Internal/External Tight buffered OM5 Cable - Lime Green Dca-s2-d1,a1	46
CFR-00596	180580494	8 Core Multipurpose Loose Tube OM4 Cable - Blue Eca	46	CFR-00706	183280074	24 Core Internal/External Tight buffered OM5 Cable - Lime Green Dca-s2-d1,a1	46
CFR-00597	180580495	12 Core Multipurpose Loose Tube OM4 Cable - Blue Eca	46	CFR-00707	183150075	4 Core Internal/External Tight buffered OM5 Cable - Lime Green B2ca-s1a,d1,a1	46
CFR-00598	180580496	24 Core Multipurpose Loose Tube OM4 Cable - Blue Eca	46	CFR-00708	183280076	6 Core Internal/External Tight buffered OM5 Cable - Lime Green B2ca-s1a,d1,a1	46
CFR-00622	180580684	4 Core Internal/External Tight buffered OM4 Cable - Erika Violet Cca-s1a,d1,a1	44	CFR-00709	183280077	8 Core Internal/External Tight buffered OM5 Cable - Lime Green B2ca-s1a,d1,a1	46
CFR-00623	180580685	6 Core Internal/External Tight buffered OM4 Cable - Erika Violet Cca-s1a,d1,a1	44				
CFR-00624	180580686	8 Core Internal/External Tight buffered OM4 Cable - Erika Violet Cca-s1a,d1,a1	44				
CFR-00625	183280003	12 Core Internal/External Tight buffered OM4 Cable - Erika Violet Cca-s1a,d1,a1	44				
CFR-00626	180580687	24 Core Internal/External Tight buffered OM4 Cable - Erika Violet Cca-s1a,d1,a1	44				
CFR-00657	183150040	4 Core Multipurpose Loose Tube OM3 Cable - Aqua Dca-s2-d2,a1	46				
CFR-00658	183150041	6 Core Multipurpose Loose Tube OM3 Cable - Aqua Dca-s2-d2,a1	46				
CFR-00659	183150042	8 Core Multipurpose Loose Tube OM3 Cable - Aqua Dca-s2-d2,a1	46				
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CFR-00711	183280074	24 Core Internal/External Tight buffered OM5 Cable -Lime Green B2ca-s1a,d1,a1	46	KSJ-00005-02	Consult Molex	Single Position Blank Module (Bag of 25)	39
CFR-00712	183280019	4 Core Internal/External Tight buffered OM5 Cable -Lime Green Cca-s1a,d1,a1	44	KSJ-00018-**	Consult Molex	PowerCat 6 DataGate Jack 8W 568A/B	28
CFR-00713	183280020	6 Core Internal/External Tight buffered OM5 Cable -Lime Green Cca-s1a,d1,a1	44	KSJ-00024-**	Consult Molex	PowerCat 5e DataGate Jack 8W 568A/B	36
CFR-00714	183280021	8 Core Internal/External Tight buffered OM5 Cable -Lime Green Cca-s1a,d1,a1	44	KSJ-00032-**	Consult Molex	Keystone Jack, Category 5e, 8W, 568A/B	36
CFR-00715	183280022	12 Core Internal/External Tight buffered OM5 Cable -Lime Green Cca-s1a,d1,a1	44	KSJ-00033-**	Consult Molex	Keystone Jack, Category 6, 8W, 568A/B	29
CFR-00716	183280023	24 Core Internal/External Tight buffered OM5 Cable -Lime Green Cca-s1a,d1,a1	44	KSJ-00062-**	Consult Molex	PowerCat 6A Jack RJ45 568A/B Shielded	16
CFR-00717	183280024	4 Core Internal/External Tight buffered OM5 Cable -Lime Green B2ca-s1a,d1,a1	45	KSJ-00062-02	183010003	DataGate Jack C6A Shielded White	26
CFR-00718	183280025	6 Core Internal/External Tight buffered OM5 Cable -Lime Green B2ca-s1a,d1,a1	45	KSJ-00064-**	Consult Molex	Keystone Blank	37
CFR-00719	183280026	8 Core Internal/External Tight buffered OM5 Cable -Lime Green B2ca-s1a,d1,a1	45	KSJ-00073-**	Consult Molex	PowerCat 6A Side Entry Jack Shielded	16
CFR-00720	183280027	12 Core Internal/External Tight buffered OM5 Cable -Lime Green B2ca-s1a,d1,a1	45	KSJ-00079	Consult Molex	PowerCat 6A Tool-less shielded Keystone Jack, RJ45, 360°, 568A/B	22
CFR-00721	183280028	24 Core Internal/External Tight buffered OM5 Cable -Lime Green B2ca-s1a,d1,a1	45	KSJ-00091-**	Consult Molex	Keystone Jack C6A UTP 568A/B	14
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CMA-00087	181050006	2U Horizontal Cable Manager	86	KSP-00001	Consult Molex	Category 6A Field Termination Plug	20
CMA-00111	18105-0048	Front Cable Manager for 1U Multi-Function Fiber Enclosure Gen II Black	53	MEU-00005-02	184000314	Angled ST Module, Multimode - 4 Adapters	69
CMA-00112	Consult Molex	Xtreme Density 1 RU Enclosure Front Door	58	MEU-00006-02	182620055	Angled ST Module, Singlemode - 4 Adapters	69
CPT-00032	180080065	PowerCat 6 6 Port Consolidation Point Enclosure RJ45 568B UTP	31	MEU-00007-02	182620056	Angled ST Module, Multimode - 2 Adapters	69
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CSP-00021-**	Consult Molex	Blank Connector Icon Labels 6-Pack (Bag of 10)	17	MEU-00011-02	182620058	Angled Shuttered Duplex SC Module, Multimode -1 Adapter	69
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CSP-00022-**	Consult Molex	Data Connector Icon Labels 6-Pack	93	MEU-00013-02	182620001	Angled Shuttered Duplex SC-ST Module, Multimode - 2 Adapters	69
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FSA-00056	183670002	Splitter Box 2Pcs 1 X 8 LC SM Low Loss	80	MEU-00067-02	182620012	25 x 50mm LC Module, Multimode - 2 Adapters	69
FSA-00057	183670003	Splitter Box 1 X 8 SC GRN APC SM Low Loss	80	MEU-00070-**	Consult Molex	PowerCat 6A Angled Side Entry Euromod II Module, RJ45 568A/B, Shielded	23
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IMA-00101	183250003	MIIM 96 Channel License	11	MEU-00072-02	181770334	Euromod Keystone Jack Fascia Wall Plate, Double Gang 86 x 1456mm - white	91
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IMS-00101	183240008	MIIM 96 Channel Scanner	10	MLCDLC120M3L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM3 50µm Multimode, Low Loss	74
KFR-00008	180600025	45mm Fusion Splice Protector - 2.4mm (o.d.)	60	MLCDLC120M4L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM4 50µm Multimode, Low Loss	74
KFR-00009	180600026	61mm Fusion Splice Protector - 2.4mm (o.d.)	60	MLCDLC120M5	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM5 Multimode	74
KFR-00034	Consult Molex	Kevlar Retention Clamp (1 PC)	53	MLCDLC120M5L	Consult Molex	12 Port ModLink Cassette, Duplex LC, Low Loss, OM5 Multimode	74
KFR-00034	Consult Molex	Kevlar Retention Clamp (1 pc)	57	MLCDLC120S2L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OS1/2 Singlemode	74
KFR-00038	182680003	Front Plate Label Sheet (Pack 20)	59	MLCDSC120M2	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM2 50µm Multimode	74
KFR-00039	182680004	Cable Anchor Bracket Kit (1 x cable anchor bracket, 1 x 435mm bend limiting tube)	59	MLCDSC120M3L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM3 50µm Multimode, Low Loss	74
KFR-00040	182680005	45mm Fusion Splice Protector - 2.2mm (o.d.)	59	MLCDSC120M4L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM4 50µm Multimode, Low Loss	74
KFR-00040	182680005	45mm Fusion Splice Protector - 2.2mm (o.d.)	60	MLCDSC120M5	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM5 Multimode	74
KFR-00052	Consult Molex	Fusion Splice Holder 24 Fiber	60	MLCDSC120M5L	Consult Molex	12 Port ModLink Cassette, Duplex SC, Low Loss, OM5 Multimode	74
KFR-00053	182680049	Self Adhesive Cable Management Hub (2 pcs/pag), Black	57	MLCDSC120S2L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OS1/2 Singlemode	74
KFR-00053	182680049	Self Adhesive Cable Management Hub (2 pcs/pag), Black	60	MLCQLC120M2	180370267	12 Port ModLink Cassette, Quad LC, OM2 50µm Multimode	74
KPD-00087	181980070	Category 6 110 Style Multi-Pair Termination Tool with Head and Handle	96				
KSJ-00005-0*	Consult Molex	Single Position Blank Module (Bag of 25)	17				
KSJ-00005-0*	Consult Molex	Single Position Blank Module (Bag of 25)	30				
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MLCQLC120M3L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM3 50µm Multimode, Loss	74	PCD-00462-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 40m	34
MLCQLC120M4L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM4 50µm Multimode, Low Loss	74	PCD-00464-0P	181880025	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 4m	34
MLCQLC120M5	Consult Molex	12 Port ModLink Cassette, Quad LC, OM5 Multimode	74	PCD-00465-0P	181880026	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 6m	34
MLCQLC120S2L	Consult Molex	12 Port ModLink Cassette, Quad LC, OS1/2 Singlemode	74	PCD-00466-0P	181880027	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 8m	34
MLCQLC240M2	Consult Molex	24 Port ModLink Cassette, Quad LC, OM2 50µm Multimode	74	PCD-00467-0P	181880028	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 10m	34
MLCQLC240M3L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OM3 50µm Multimode	74	PCD-00468-0P	181880029	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 20m	34
MLCQLC240M4L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OM4 50µm Multimode	74	PCD-00469-0P	181880030	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 30m	34
MLCQLC240M5	Consult Molex	24 Port ModLink Cassette, Quad LC, OM5 Multimode	74	PCD-00470-0P	181880031	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 40m	34
MLCQLC240M5L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OM5 Multimode	74	PCD-00471-0P	181880032	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 50m	34
MLCQLC240S2L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OS2 Singlemode	74	PCD-00472-0P	181880033	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 60m	34
MLG-00021-02	188000016	PowerCat 6 22.5 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White	33	PCD-01000-**-	Consult Molex	PowerCat 5e U/UTP Patch Cord LS0H - 0.5m	40
MLG-00024-02	188000068	PowerCat 6 45 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White	33	PCD-01001-**-	Consult Molex	PowerCat 5e U/UTP Patch Cord LS0H - 1m	40
MLG-00030-**-	183010006	PowerCat 6A 22.5 x 45mm Legrand compatible Module	23	PCD-01002-**-	Consult Molex	PowerCat 5e U/UTP Patch Cord LS0H - 1.5m	40
MLG-00031-**-	183010007	PowerCat 6A 45 x 45mm Legrand compatible Module	23	PCD-01003-**-	Consult Molex	PowerCat 5e U/UTP Patch Cord LS0H - 2m	40
MLG-00034-**-	Consult Molex	PowerCat 6A 45 x 45mm Side Entry Module RJ45 568A/B	23	PCD-01005-**-	Consult Molex	PowerCat 5e U/UTP Patch Cord LS0H - 3m	40
MLG-00035-**-	Consult Molex	PowerCat 6A 22.5 x 45mm Side Entry Module RJ45 568A/B	23	PCD-01009-**-	Consult Molex	PowerCat 5e U/UTP Patch Cord LS0H - 5m	40
MLG-00037-02	181770331	Keystone Jack Fascia, 22.5 x 45mm, unloaded - white	91	PCD-01013-**-	Consult Molex	PowerCat 5e U/UTP Patch Cord LS0H - 7m	40
MMC-00010-**-	Consult Molex	PowerCat 6 MOD-Clip DataGate Jack 568 A/B	29	PCD-01019-**-	Consult Molex	PowerCat 5e U/UTP Patch Cord LS0H - 10m	40
MMC-00017-02	183010020	PowerCat 6A MOD-Clip Shielded Jack 8W 568 A/B White	25	PCD-02000-**-	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H - 0.5m	34
MMC-00017-04	183010019	PowerCat 6A MOD-Clip Shielded Jack 8W 568 A/B Black	25	PCD-02001-**-	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H - 1m	34
MMC-00020-**-	Consult Molex	PowerCat 6A Side Entry MOD-Clip DataGate Jack, RJ45, 568A/B Shielded	25	PCD-02002-**-	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H - 1.5m	34
MMS-00013-**-	181780003	PowerCat 6 Angled MOD-SNAP III Module RJ45 568A/B UTP	32	PCD-02003-**-	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H - 2m	34
MMS-00014-**-	181170009	MOD-SNAP Module Blank	32	PCD-02005-**-	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H - 3m	34
MMS-00014-0*	181170009	MOD-SNAP Module Blank - White	39	PCD-02009-**-	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H - 5m	34
MMS-00014-02	Consult Molex	MOD-SNAP Blank Module - White	93	PCD-02013-**-	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H - 7m	34
MMS-00017-02	183010003	PowerCat 6A Angled MOD-SNAP III RJ45 Module, 568A/B - White	23	PCD-02019-**-	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H - 10m	34
MMS-00017-04	183010011	PowerCat 6A Angled MOD-SNAP III RJ45 Module, 568A/B - Black	23	PCD-029XX-XX	Consult Molex	Molex PowerCat 6 Locking Patch Cords	35
MMS-00019-**-	Consult Molex	PowerCat 6A Angled Side Entry MOD-SNAP III Module RJ45 568B, Shielded	23	PCD-06000-0P	181880037	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 15m	34
MMS-00020-02	1817703302	Mod-Snap Keystone Jack Fascia, 38.5 x 25mm, unloaded - white	91	PCD-06001-0P	181880038	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 25m	34
MPLCXXXXXXXXXX	Consult Molex	PLC Splitter	81	PCD-060021-0P	181880039	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H VL Dca-s2,d2,a1 35m	34
MSY-00003-**-	Consult Molex	Single ST Module, Singlemode/Multimode	69	PCD-07000-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 1m	15
MSY-00018-**-	Consult Molex	Simplex Shuttered SC Module, Singlemode	70	PCD-07000-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 1m	18
MSY-00040-**-	Consult Molex	Single LC Module, Multimode	70	PCD-07001-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 2m	15
OF-LC-KEY-E	18268-0057	Key (Type A) Optical Fiber Patch Cords Extraction, LC Type Red	50	PCD-07001-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 2m	18
OF-LC-KEY-F	18268-0058	Key (Type B) Optical Fiber Patch Cords Extraction, LC Type Green	50	PCD-07001-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 3m	15
OF-LC-KEY-G	18268-0059	Key (Type C) Optical Fiber Patch Cords Extraction, LC Type Yellow	50	PCD-07004-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 5m	15
OF-LC-KEY-H	18268-0060	Key (Type D) Optical Fiber Patch Cords Extraction, LC Type Blue	50	PCD-07004-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 5m	18
OF-SC-KEY-A	18268-0053	Key (Type A) Optical Fiber Patch Cords Extraction, SC Type Black	50	PCD-07006-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 7m	15
OF-SC-KEY-B	18268-0054	Key (Type B) Optical Fiber Patch Cords Extraction, SC Type White	50	PCD-07006-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 7m	18
OF-SC-KEY-C	18268-0055	Key (Type C) Optical Fiber Patch Cords Extraction, SC Type Yellow	50	PCD-07009-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 10m	15
OF-SC-KEY-D	18268-0056	Key (Type D) Optical Fiber Patch Cords Extraction, SC Type Red	50	PCD-07009-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 10m	18
PCD-00456-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey 4m	34	PCD-07054-VL	183160844	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, VL Dca-s2,d1,a1 4m	19
PCD-00457-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 6m	34	PCD-07055-VL	183160845	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, VL Dca-s2,d1,a1 6m	19
PCD-00458-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 8m	34	PCD-07056-VL	183160846	PowerCat 6A Shielded Solid Cable Assembly, U/FTP, LS0H, VL Dca-s2,d1,a1 8m	19
PCD-00459-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 10m	34	PCD-07057-VL	183160847	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 10m	19
PCD-00460-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 20m	34	PCD-07058-VL	183160848	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 20m	19
PCD-00461-0E	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly PVC Eca Grey - 30m	34	PCD-07059-VL	183160849	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 30m	19
				PCD-07060-VL	183160850	PowerCat 6A Shielded Solid Cable Assembly, LS0H, U/FTP, VL Dca-s2,d1,a1 40m	19
				PCD-07061-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 1.5m	15
				PCD-07061-**-	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 1.5m	18

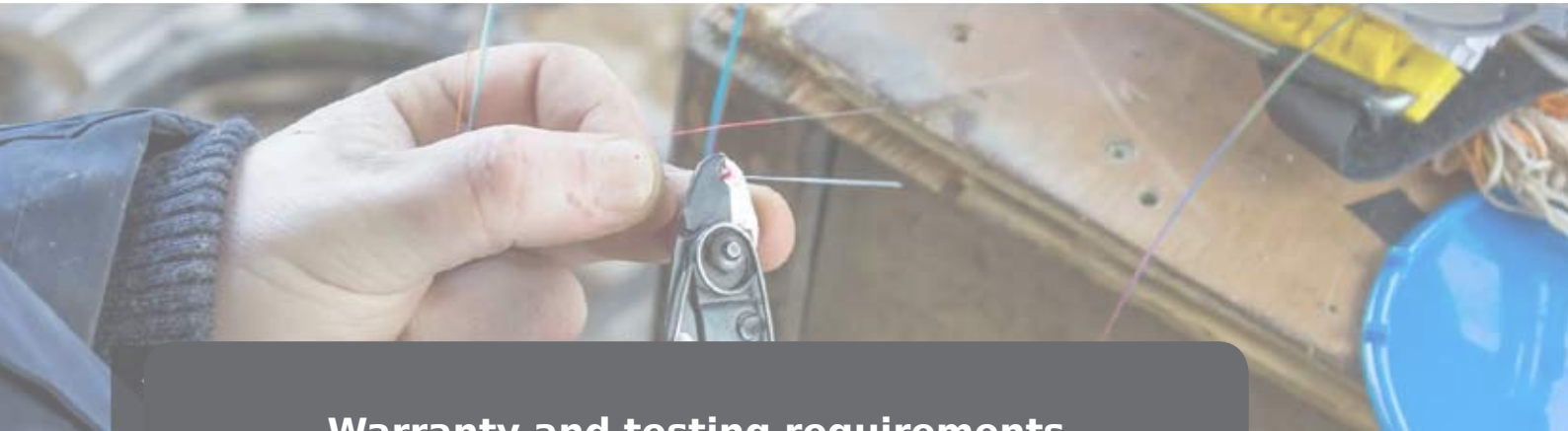
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PCD-07069-0E	Consult Molex	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, L50H 1m Grey	20	PID-00257	182960014	Keystone Jack Panel, 24 port, Unloaded - 1U	22
PCD-07071-0E	Consult Molex	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, L50H 2m Grey	20	PID-00257	182960014	Keystone Jack Panel, 24 port, Unloaded - 1U	31
PCD-07073-0E	Consult Molex	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, L50H 3m Grey	20	PID-00257	182960014	Keystone Patch Panel, 24 Port, Unloaded - 1U	37
PCD-07077-0E	Consult Molex	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, L50H 3m Grey	20	PID-00257	180810023	24 Port Keystone Patch Panel - Unloaded - 1U	14
PCD-07079-0E	Consult Molex	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, L50H 7m Grey	20	PID-00258	180810031	PowerCat 24 Port DataGate Patch Panel, Unloaded UTP or Shielded - 1U	17
PCD-07082-0E	Consult Molex	Locking Patch cord RJ45-RJ45, 568B, F/FTP, Stranded, PowerCat 6A, L50H 10m Grey	20	PID-00258	180810031	PowerCat 24 Port DataGate Patch Panel, Unloaded UTP or Shielded - 1U	21
PCD-07083	Consult Molex	Pack of 5 Keys for Locking Patch Cords	20	PID-00258	180810031	PowerCat 24 Port DataGate Patch Panel, Unloaded UTP or Shielded - 1U	30
PCD-07121-BK	183162207	Patch Cord C6A Shielded IP67-RJ45 1m Black	27	PID-00258	180810031	PowerCat 24 Port DataGate Patch Panel, Unloaded UTP or Shielded - 1U	37
PCD-07122-BK	183162208	Patch Cord C6A Shielded IP67-RJ45 2m Black	27	PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U	17
PCD-07123-BK	183162209	Patch Cord C6A Shielded IP67-RJ45 3m Black	27	PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U	21
PCD-07124-BK	183162210	Patch Cord C6A Shielded IP67-RJ45 5m Black	27	PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U	30
PCD-07125-BK	183162211	Patch Cord C6A Shielded IP67-IP67 1m Black	27	PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U	37
PCD-07126-BK	183162212	Patch Cord C6A Shielded IP67-IP67 2m Black	27	PID-00260	180810033	PowerCat 48 Port DataGate Patch Panel, Unloaded UTP or Shielded - 2U	17
PCD-07127-BK	183162213	Patch Cord C6A Shielded IP67-IP67 3m Black	27	PID-00260	180810033	PowerCat 48 Port DataGate Patch Panel, Unloaded UTP or Shielded - 2U	21
PCD-07128-BK	183162214	Patch Cord C6A Shielded IP67-IP67 5m Black	27	PID-00260	180810033	PowerCat 48 Port DataGate Patch Panel, Unloaded UTP or Shielded - 2U	30
PCD-07129-BK	183162235	Patch Cord C6A Shielded IP67-RJ45 1.5m Black	27	PID-00260	180810033	PowerCat 48 Port DataGate Patch Panel, Unloaded UTP or Shielded - 2U	37
PCD-07130-BK	183162326	Patch Cord C6A Shielded IP67-IP67 1.5m Black	27	PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U	17
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PCD-07132	183162335	Outdoor Category 6A Shielded Patch Cord 1.5m	26	PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U	21
PCD-07133	183162336	Outdoor Category 6A Shielded Patch Cord 2m	26	PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U	30
PCD-07134	183162337	Outdoor Category 6A Shielded Patch Cord 3m	26	PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U	37
PCD-07135	183162338	Outdoor Category 6A Shielded Patch Cord 5m	26	PID-00282	180810045	1U 24 Port, Angled Keystone Jack Aperture, Patch Panel - Unloaded	22
PCD-07136	183162333	Outdoor Category 6A Shielded Patch Cord 0.5m	26	PID-00282	180810045	Patch panel 1 U 24 Port. Angled aperture, Keystone Jack, Unloaded	30
PCD-08000-OP	183270077	PowerCat 6A Shielded Solid Cable Assembly, L50H, U/FTP, VL Dca-s2,d1,a1 15m	19	PID-00283	183200023	1U 24 Port Category 6 UTP MIIM G3 Jack Loaded Patch Panel W/O Control Unit	10
PCD-08001-OP	183270078	PowerCat 6A Shielded Solid Cable Assembly, L50H, U/FTP, VL Dca-s2,d1,a1 25m	19	PID-00285	183210036	1U 24 Port Category 6A Shielded MIIM G3 Jack Loaded Patch Panel W/O Control Unit	10
PCD-08002-OP	183270079	PowerCat 6A Shielded Solid Cable Assembly, L50H, U/FTP, VL Dca-s2,d1,a1 35m	19	RFR-00201	180370259	24-48 Port Specification Grade Fiber Enclosure - 1U	59
PCD-08003-OP	183270080	PowerCat 6A Shielded Solid Cable Assembly, L50H, U/FTP, VL Dca-s2,d1,a1 50m	19	RFR-00202	180370260	48-96 Port Specification Grade Fiber Enclosure - 2U	59
PCD-08004-OP	183270081	PowerCat 6A Shielded Solid Cable Assembly, L50H, U/FTP, VL Dca-s2,d1,a1 60m	19	RFR-00204	180660016	144-288 Port Specification Grade Fiber Enclosure - 4U	59
PCD-70301-0*	Consult Molex	PowerCat 6A Slim 28 AWG Shielded Patch Cord L50H 1m	18	RFR-00205	180660017	Swing-Out Fiber Panel Chassis - 1U	59
PCD-70302-0*	Consult Molex	PowerCat 6A Slim 28 AWG Shielded Patch Cord L50H 2m	18	RFR-00206	180660018	Swing Out Fiber Panel Front Plate Blank	59
PCD-70303-0*	Consult Molex	PowerCat 6A Slim 28 AWG Shielded Patch Cord L50H 3m	18	RFR-00207		Swing Out Fiber Panel Shuttered Front Plate 6 Duplex SC SM	59
PCD-70305-0*	Consult Molex	PowerCat 6A Slim 28 AWG Shielded Patch Cord L50H 5m	18	RFR-00208		Swing Out Fiber Panel Shuttered Front Plate 6 SC MM	59
PCD-70307-0*	Consult Molex	PowerCat 6A Slim 28 AWG Shielded Patch Cord L50H 7m	18	RFR-00209	180660021	Swing Out Fiber Panel Shuttered Front Plate 12 Duplex LC SM	59
PCD-7030A-0*	Consult Molex	PowerCat 6A Slim 28 AWG Shielded Patch Cord L50H 0.5m	18	RFR-00210	180660022	Swing Out Fiber Panel Front Plate 12 ST SM/MM	59
PCD-7030B-0*	Consult Molex	PowerCat 6A Slim 28 AWG Shielded Patch Cord L50H 1.5m	18	RFR-00212	180660024	Swing-Out Panel Shuttered Front Plate 12 DLC MM	59
PCD-7030C-0*	Consult Molex	PowerCat 6A Slim 28 AWG Shielded Patch Cord L50H 2.5m	18	RFR-00213	180660025	Swing-Out Panel Unshuttered Front Plate 6 DSC SM	59
PCD-70310-0*	Consult Molex	PowerCat 6A Slim 28 AWG Shielded Patch Cord L50H 10m	18	RFR-00214	180660026	Swing-Out Panel Unshuttered Front Plate 6 DSC MM	59
PCPT6ASXXXX	Consult Molex	PowerCat 6A Pre-Terminated Cable Assemblies	21	RFR-00311-BK	18037-0287	1U Multi-Function Fiber Enclosure Gen II Black	53
PID-00073	181820012	PowerCat 5e 48 Port High Density Patch Panel RJ45 56B UTP - 1U	38	RFR-00312-BK	18037-0288	Locking Front Assembly Kit for 1U Multi-Function Fiber Enclosure Gen II Black	53
PID-00141	182040009	PowerCat 6 24 Port Patch Panel RJ45 568A/B UTP - 1U	29	RFR-00318	183230013	MIIM G3 48F Duplex LC MM Fiber Patch Panel, W/O control unit	11
PID-00142	182040010	PowerCat 6 48 Port Patch Panel RJ45 568A/B UTP - 2U	29	RFR-00319	183230014	MIIM G3 48F Duplex LC SM Fiber Patch Panel, W/O control unit	11
PID-00145	182040013	50 Port Voice Panel RJ45 UTP 1U - Pairs 3/6, 4/5	90	SBX-00005-02	181770326	PowerCat 6 1 Port Synergy Surface Box RJ45 White (loaded)	32
PID-00154	182020245	PowerCat 5e 24 Port Angled Patch Panel RJ45 568A/B UTP - 1U	38	SBX-00006-02	18338002	PowerCat 5E 1 Port Synergy Surface Box RJ45 UTP White (loaded)	39
PID-00155	182080295	PowerCat 5e 48 Port Angled Patch Panel RJ45 568A/B UTP - 2U	38	SBX-00009-02	Consult Molex	PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded)	24
PID-00156	182080297	PowerCat 6 24 Port Angled Patch Panel RJ45 568A/B UTP - 1U	30	SBX-00016	181320013	BACKBOX 1P IP67 Stainless Steel Plate 128 x 128mm White	27
PID-00157	182080299	PowerCat 6 48 Port Angled Patch Panel RJ45 568A/B UTP - 2U	30	SBX-00017	181320014	BACKBOX 2P IP67 Stainless Steel Plate 128 x 128mm White	27
PID-00174	182080372	PowerCat 5e 24 Port DataGate Patch Panel RJ45 568A/B UTP - 1U	37	SBX-00018	181320015	BACKBOX 4P IP67 Stainless Steel Plate 128 x 128mm White	27
PID-00175	182080374	PowerCat 5e 48 Port DataGate Patch Panel RJ45 568A/B UTP - 2U	37	SBX-00019-08	181320016	Euromod IP66 2 x RJ45 Enclosure Unloaded Grey	26
PID-00217	182960000	PowerCat 6A 24 Port Patch Panel 568A/B Shielded - 1U	17	SSY-00014-02	181340013	PowerCat 2 Port Synergy Surface Box, Unloaded - White	32
PID-00218	182960001	PowerCat 6A 24 Port Angled Patch Panel 568A/B Shielded - 1U	17				
PID-00219	182960002	PowerCat 6A 48 Port Patch Panel 568A/B Shielded - 2U	17				
PID-00220	182960003	PowerCat 6A 48 Port Angled Patch Panel 568A/B Shielded - 2U	17				



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WFR-00034-02	180970073	12 Port LC 601 Enclosure, Multimode	60	XFR-19201	181810266	Xtreme Density Cassette Capacity 2X12F MPO/LC OS2 Low Loss	58
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WFR-00066-I	180970140	Enclosure Wallmount 2/16P Simplex SC/Duplex LC Unloaded FTTX Fiber Box - India	82	XFR-19206	181810293	Xtreme Density 2X24F To 6X8F MPO Transfer Box, OS2, Low Loss	58
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## Warranty and testing requirements

- To be a Molex Business Associate in good standing to offer the 25-Year System Performance and Application Assurance Warranty
  - Register: <https://csp.molex.com>
- Entire channel of components to consist of the Molex Connected Enterprise solution end-end.
- Permanent Link to be tested with an approved, calibrated certification analyser.
- Submit correct information as required by Molex to the Customer Support Portal for Approval.
- Online support:
  - [ces.support@molex.com](mailto:ces.support@molex.com)

## Customer Support

### Ask the team about

- Training Courses
- Consultant Tools
  - Consultant Proposal Generator
  - Cable Fill Rate Estimator
  - BoM Estimator
  - Multi-Site Overview Survey tool
  - Warranty Checklist
  - Molex PoE Calculator
- Authorised Molex Distributors
- Technical Bulletins
- System Performance warranty
- Testing Procedures

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