



**INDIA
PRODUCTS**

Product and Solutions Guide

Premise Networks Division








*Bringing Advanced Physical Layer Lifecycle
Management to Enterprises Worldwide*

molex[®]

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one company > a world of innovation

Bringing Advanced Physical Layer Lifecycle Management to Enterprises Worldwide >

Whether you require one product or a total end-to-end solution, Molex Premise Networks is committed to assisting you in making the right choice for your business requirements.

Our team of technical experts will provide you with a true and honest assessment of your business requirements and design a customised system to support your business today, whilst providing the necessary performance to future-proof your requirements for tomorrow.

By choosing Molex you can be safe in the knowledge that whatever the project, our goal is to ensure that your upgrade to a new system runs smoothly. We work closely with our Business Partners to maintain the highest standards, regardless of the complexity of the project.

This commitment to our customers is reflected in our 25 year System Performance and Application Assurance Warranty and the ongoing support we provide to our business partners.

Whether you require one product or a total end-to-end solution, we are poised to deliver what you need, when you need it.

Molex Premise Networks (MPN) commits to delivering comprehensive Advanced Physical Layer Lifecycle Management (APLLM) solutions providing enterprises with the ability to manage their Physical Layer infrastructure with a level of visibility and integration unique within the structured cabling industry. Using a combination of software, electronics, traditional data transport solutions and Infrastructure Deployment Services, APLLM allows businesses to track and manage their infrastructure investment starting from planning through to design, procurement, installation, daily management of moves, adds and changes (MACS) and the eventual upgrade of that infrastructure including attached assets.

The Technology Behind APLLM

The MPN portfolio is comprised of our innovative MIIM solutions alongside a full complement of UTP, FTP copper and fibre Data Transport Systems (DTS) - which integrate seamlessly to add exciting new dimensions to network management.

MIIM™ Solution

MIIM is a comprehensive solution focused on enhancing network management at the physical layer, network security, asset management and increased productivity and visibility.

In addition to MAC & work order management, the solution detects network device connect/disconnects regardless of power or broken cables and 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. Compelling MIIM differentiators include true centralised management of the channel beyond the wire closet out to remote work areas regardless of LAN topology, guided patching impervious to human error and collection/reporting/alarms of real time Layer 1 data, registering minimal impact on network resources.

Data Transport Solutions

A broad selection of standards-compliant, end-to-end structured cabling solutions including copper and fibre that connect businesses to their mission critical applications.

Infrastructure Deployment Services

As demonstrated infrastructure experts, MPN leverages know-how in LAN cabling to provide a suite of solutions-based services which deliver value to Owners and Business Partners. These include Solutions Training on installation practices delivered in a variety of convenient formats, including e-learning, as well as MIIM APLLM deployment services. Additionally, guided by our experience and knowledge of customer challenges, MPN offers Project Control services driving new visibility and control of infrastructure deployments from planning and design through to bid management, project implementation and even ongoing maintenance.

Whatever your requirement, we have a solution that supports it.

MOLEX IS COMMITTED TO PRESERVING THE GLOBAL ENVIRONMENT

e c o c a r e

We understand that preservation of the global environment is an important issue for everyone, and that our business operations have an effect on the global environment. 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.

- Establish and implement effective Environmental Management Systems
- Comply with all relevant environmental, health and safety, legal and other requirements
- Operate our facilities in a way that considers the efficient use of natural resources and provides a safe and healthy workplace
- Develop products that minimise 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

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 minimise environmental impact and maintain compliance with environmental regulations.



Advanced Physical Layer Management MIIM™

The MIIM™ solution enables complete real-time monitoring of the physical channel, 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.

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
- Auto discovery of active hardware/devices & automatic database population
- Mission critical port disconnection alerts
- Low power consumption with no fans or cooling required
- Automatic Rediscovery/Re-synchronization after outage or system failure
- 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



PowerCat Patch cords Page B-7

MIIM Patch Panels

MIIM 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.

The data bus connection port connects the panel to the MIIM scanner via a standard RJ45 patch cord. The patch panel is able to detect connectivity at both the patch panel and work area outlet. Two in-built power status indicators on the panel ensure visibility of power from the scanner.

- 24 Ports 1U
- EIA 568A/B wired
- Standard 19" rack mount
- Two power status indicators to ensure proper connection of power supply from the scanner
- Data bus connection to the MIIM Scanner is via an industry standard RJ45 patch cord
- 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

Order No.	SAP No.	Description
PID-00221	183200000	MIIM Category 6, 1U 24 Port Patch Panel 568A/B
PID-00235	183200002	MIIM Category 6, 1U Angled 24 Port Patch Panel 568A/B
PID-00231	183210000	MIIM Category 6A, 1U 24 Port Patch Panel 568A/B



Solid Cable Assemblies Page B-6

MIIM 24 Port Duplex LC Fibre Panel

MIIM Fibre 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 scanner via a standard RJ45 patch cord. Two in-built power status indicators on the panel ensure visibility of power from the scanner. When connected to a MIIM scanner, 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

- Two power status indicators to ensure proper connection of power supply from the scanner
- Uses standard RJ45 patch cords for data bus connection to the MIIM scanner
- 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

Order No.	SAP No.	Description
RFR-00300	183230000	MIIM Singlemode 24P Duplex LC Fibre Patch Panel
RFR-00301	183230001	MIIM Multimode 24P Duplex LC Fibre Patch Panel



Advanced Physical Layer Management MIIM™



MIIM Fibre Patch Cords

MIIM Fibre Optic Patch Cords are used to connect MIIM fibre panels within the MIIM System. MIIM patch cords incorporate a monitoring cable along with contact points on the patch cord connectors that activate the detection mechanism in the MIIM patch panel. When used with the rest of the MIIM system, the patch cords will provide connectivity information to the MIIM system.

- Monitoring contact interfaces with MIIM fibre patch panels
- MIIM patch cords are constructed from two fibres contained in an outer jacket
- Available in Singlemode (OS1) and multimode (OM1, OM2, OM3) constructions

1m	2m	3m	Description
91.PP.6A2.00100	91.PP.6A2.00200	91.PP.6A2.00300	MIIM OFPC LC-LC DUP MM OM1 LS0H - 3mm
91.PP.5A2.00100	91.PP.5A2.00200	91.PP.5A2.00300	MIIM OFPC LC-LC DUP MM OM2 LS0H - 3mm
91.PP.3A2.00100	91.PP.3A2.00200	91.PP.3A2.00300	MIIM OFPC LC-LC DUP MM OM3 LS0H - 3mm
91.PP.8A2.00100	91.PP.8A2.00200	91.PP.8A2.00300	MIIM OFPC LC-LC DUP SM OS1 LS0H - 3mm

5m	10m	Description
91.PP.6A2.00500	91.PP.6A2.01000	MIIM OFPC LC-LC DUP MM OM1 LS0H - 3mm
91.PP.5A2.00500	91.PP.5A2.01000	MIIM OFPC LC-LC DUP MM OM2 LS0H - 3mm
91.PP.3A2.00500	91.PP.3A2.01000	MIIM OFPC LC-LC DUP MM OM3 LS0H - 3mm
91.PP.8A2.00500	91.PP.8A2.01000	MIIM OFPC LC-LC DUP SM OS1 LS0H - 3mm

MIIM Outlet Terminator

The MIIM Outlet Terminator is used at the work area outlet to allow the MIIM system to monitor the connection of the horizontal cable to the work area outlet. The MIIM Outlet Terminator is effectively a stuffer cap with in-built components that work exclusively in the Molex MIIM solution. It enables the MIIM system to determine circuit integrity to the work area outlet. Communications between the MIIM Outlet Terminator and the MIIM Scanner are transparent to the data channel and operate outside the Ethernet bandwidth. The MIIM system can function independently of the MIIM Outlet Terminator. However, the terminator provides enhanced functionality in terms of monitoring spare or unused channels.

- Confirms circuit integrity between the MIIM patch panel and the work area outlet
- Enables monitoring of changes and detects the presence of devices at the outlet
- Transparent to the Data Channel
- RoHS Compliant



Order No.	SAP No.	Description
IMT-00100	183220000	MIIM Category 6 Outlet Terminator (pack of 24)
IMT-00101	183220001	MIIM Category 6A Outlet Terminator (pack of 24)

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 complete physical channel from work area outlet to the active network device. 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 unauthorised 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
- Monitors connectivity and devices, even if the device is turned off
- 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-00101	183250003	MIIM 96 Channel PP License
IMA-00102	183250004	MIIM Server Application License
IMM-00101	183250002	MIIM 96 Channel PP License Software Maintenance
IMM-00102	183250005	MIIM Server Support/Maintenance

Copper Solutions 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 Centres, 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). (RoHS Compliant)

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. Available in a range of colours and lengths, PowerCat 6A patch cords are pre-terminated with RJ45 plugs and feature anti-snap slim strain relief slip on boots.

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

Order No.	SAP No.	Description
PCD-07000-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LSOH - 1m
PCD-07001-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LSOH - 2m
PCD-07002-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LSOH - 3m
PCD-07004-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LSOH - 5m
PCD-07006-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LSOH - 7m
PCD-07009-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, 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.
Suffix "-I" indicates parts with MRP label.

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-snap slip on boots.

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

Order No.	SAP No.	Description
PCD-07054-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LSOH, Violet - 4m
PCD-07055-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LSOH, Violet - 6m
PCD-07056-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LSOH, Violet - 8m
PCD-07057-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LSOH, Violet - 10m
PCD-07058-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LSOH, Violet - 20m
PCD-07059-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LSOH, Violet - 30m
PCD-07060-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LSOH, Violet - 40m

Suffix "-I" indicates parts with MRP label.

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 LSOH cable
- Minimises alien crosstalk, provides excellent signal isolation and provides superior electromagnetic interference (EMI) protection.

- ETL verified to TIA/EIA-568-C.2 Category 6A standard
- Resistant to alien crosstalk
- Colour coded for ease of termination
- 500m Reel

Order No.	SAP No.	Description
CAA-0322L-VL	0183020011	PowerCat 6A U/FTP LSOH Cable, Violet - 500m

Copper Solutions PowerCat™ 6A Shielded



The PowerCat 6A system is independently tested and verified by ETL Semko for Category 6A compliance to TIA/EIA-568-C.2 and ISO/IEC 11801 A1.1.

Category 7A Cable

Category 7A 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 C7A in a 1-1000MHz 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
- Delivered in 500m lengths on wooden, fully recyclable reels

Order No.	SAP No.	Description
CAA-00360	183320001	Category 7A S/FTP Cable, 4 Pairs 1.2GHz LSOH, Violet - 500m reel

PowerCat 6A Unloaded DataGate Adapter Plate

The Unloaded Adapter Plate 3 x C6A DataGate Jacks is designed for applications where fibre 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 Fibre Optic Panels. The Adapter Plate can also be combined with Fibre Optic 6 Fibre Adapter Plates for multi-media applications.

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

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

PowerCat 6A 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
- ETL Verified
- Standard 19" rack mount
- IDC contacts that flex not fatigue when terminated
- Pointed IDC towers to speed termination and enhance cable retention
- Integral cable management shelf ensure bend radius compliance
- Grounding screws included

Order No.	SAP No.	Description
PID-00217	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	1829600001	PowerCat 6A 24 Port Angled Patch Panel 568A/B Shielded - 1U
PID-00220	1829600003	PowerCat 6A 48 Port Angled Patch Panel 568A/B Shielded - 2U

Accessories		
CSP-00021-**	Consult Molex	Blank 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
Suffix "-I" indicates parts with MRP label.

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	0180080065	PowerCat 6A 8 Port Consolidation Point Enclosure, Shielded

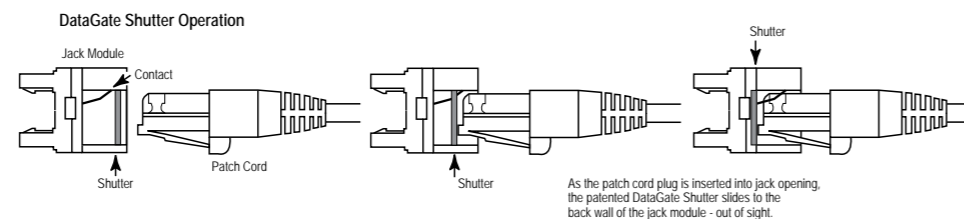


PowerCat 6A DataGate™ Shielded Jack

The DataGate Jack is the cornerstone of the Molex Premise Networks 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



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
Suffix "-I" indicates parts with MRP label.



Copper Solutions PowerCat™ 6A Shielded



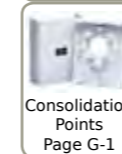
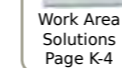
PowerCat Unloaded DataGate Panels

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
Suffix "-I" indicates parts with MRP label.



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 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
- 22 x 50mm 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 - White

Copper Solutions PowerCat™ 6A Shielded



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
KIT-00033-02	Consult Molex	1 x MMC-00017-02 & 1 x WPJ-00031-02 Wallplate
KIT-00034-02	Consult Molex	2 x MMC-00017-02 & 1 x WPJ-00032-02 Wallplate
KIT-00035-02	Consult Molex	3 x MMC-00017-02 & 1 x WPJ-00040-02 Wallplate
KIT-00036-02	Consult Molex	4 x MMC-00017-02 & 1 x WPJ-00033-02 Wallplate

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



Copper Solutions PowerCat™ 6 UTP



Molex's Category 6 Product Range, PowerCat 6, is designed to meet or exceed the requirements of current international standards and has been independently tested and verified by ETL SEMKO for Category 6 component compliance.

The solution features cable, patch cords, patch panels and wall outlet solutions suitable for a wide range of territorial requirements.

PowerCat 6 UTP Cable

- Supports ultra high speed data networks such as Gigabit Ethernet (1000 Base-T/1000 Base-TX) and beyond
- Features innovative pair twisting to ensure optimum Return Loss and NEXT performance and maintains pair twist rate during installation
- Incorporates central spine maintaining pair separation during installation to ensure premium performance after installation

- Supplied in convenient 305m "Reel in a Box"
- UL Listed & Verified
- 23 AWG Conductors for improved Insertion Loss Performance
- Available in blue and grey sheaths for application versatility
- RoHS Compliant

Order No.	SAP No.	Description
CAA-00076	0181440011	PowerCat 6 4 Pair PVC Cable, Blue, 305m Reel in a Box
CAA-00176	0181440012	PowerCat 6 4 Pair PVC Cable, Grey, 305m Reel in a Box
CAA-00267	0181740014	PowerCat 6 4 Pair LSOH Cable, Violet, 305m Reel in a Box

PowerCat 6 Outside Premise Cable

The Molex Category 6 Outside Premise cable contains 4 Pair UTP sheathed with a grey LSOH compound. An additional layer of Heavy-Duty black PE outer jacket renders the cable suitable for outdoor installations

- Category 6 Compliant
- LSOH and PVC or PE (UV) and nylon Sheathed for greater protection
- UV Resistant
- Suitable for Outdoor/Underground Installations including mild mechanical abuse and rain

Order No.	SAP No.	Description
CAA-00335	181740038	PowerCat 6 Outdoor Premise Cable, LSOH, 305 m
CAA-00340	Consult Molex	PowerCat 6 4 Pair Indoor/Outdoor Cable, LSOH, 305 m



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 Centre environments.

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

Order No.	SAP No.	Description
PCD-00464-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH Violet - 4m
PCD-00465-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH Violet - 6m
PCD-00466-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH Violet - 8m
PCD-00467-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH Violet - 10m
PCD-00468-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH Violet - 20m
PCD-00469-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH Violet - 30m
PCD-00470-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LSOH Violet - 40m

Suffix "-I" indicates parts with MRP label.



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-snap slim strain relief slip on boots.

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

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

Insert color code in place of ** in part number when ordering Patch Cords:
OC=Red, OE=Grey, OH=Blue, OJ=Green, OK=Yellow, OW=White, OP=Purple, ON=Orange, BK=Black
Suffix "-I" indicates parts with MRP label.



PowerCat Unloaded DataGate Adapter Plate

The Unloaded Adapter Plate 3 x DataGate Jacks is designed for applications where fibre 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 Fibre Optic Panels. The Adapter Plate can also be combined with Fibre Optic 6 Fibre Adapter Plates for multi-media applications.

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

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



1U Multi-Function Enclosure Page E-20



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 Consolidation Point to Telecommunication Outlet 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
Accessories		
CPT-00034	0180080059	Consolidation Point Enclosure Base - Unloaded
CPT-00039	0180080062	Consolidation Point Enclosure Plate - 6 Port
CPT-00040	0180080060	Consolidation Point Enclosure Plate - 8 Port

Copper Solutions PowerCat™ 6 UTP



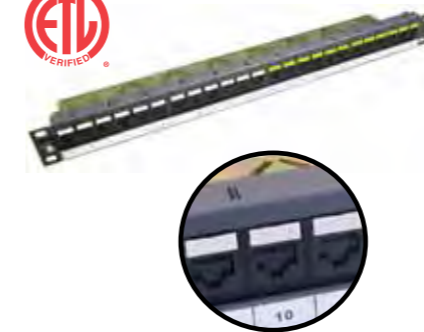
PowerCat Unloaded DataGate Panels

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
Suffix "-I" indicates parts with MRP label.



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	24 Port Patch Panel RJ45 568A/B UTP C6 - 1U
PID-00142	182040010	48 Port Patch Panel RJ45 568A/B UTP C6 - 2U
Accessories		
CSP-00021-**	Consult Molex	Blank Connector Icon Labels 6-Pack (Bag of 10)
CSP-00022-**	Consult Molex	Data Connector Icon Labels 6-Pack (Bag of 10)
CSP-00023-**	Consult Molex	Voice Connector Icon Labels 6-Pack (Bag of 10)
CSP-00032	Consult Molex	Label holder kit (Bag of 10)

** Colour Options - 01 = Almond, 02 = White, 04 = Black, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple
Suffix "-I" indicates parts with MRP label.



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
PID-00156-NJ	180820011	PowerCat 6 24 Port Angled Unloaded Patch Panel RJ45 568A/B UTP - 1U

Suffix "-I" indicates parts with MRP label.

Copper Solutions PowerCat™ 6 UTP

PowerCat 6 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.

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.

- 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

Order No.	SAP No.	Description
PID-00210	0180810023	24 Port Keystone Patch Panel, Unloaded - 1U

Media Configurable Patch Panels

The Multimedia Patch Panel allows for custom design field applications utilizing UTP, FTP, fiber, audio, video and coax modules. The unloaded panels are available as a 1U 24 Port DataGate and single Synergy Copper and Fiber Module compatible Option or in a 1U US0II option.

- Front labeling for port designation
- Standard 19" rack mounted
- 1U USP Panel accommodates 8 US0 II Modules
- 1U 24 port Multimedia Patch Panel accommodates 24 DataGate and single Synergy modules.

Order No.	SAP No.	Description
PID-00076	0182080054	1U 24 Port Multimedia Patch Panel
PUS-00008	0180350003	1U 24 Port T1 Patch Panel - Category 3

Suffix "-I" indicates parts with MRP label.

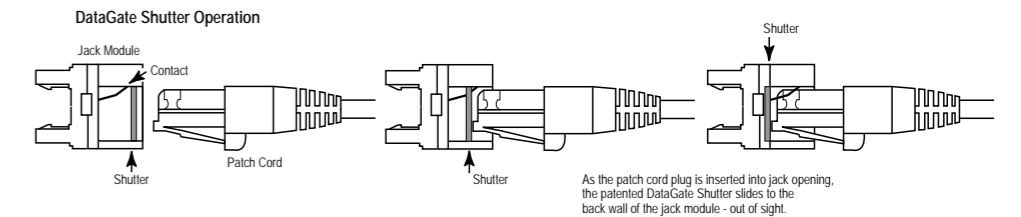


PowerCat 6 UTP DataGate™ Jack

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 CSE systems.

- 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
- Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible



Order No.	SAP No.	Description
KSJ-00018-**-I	Consult Molex	PowerCat 6 DataGate Jack, 568A/B
Accessories		
CSP-00021-**-I	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CSP-00022-**-I	Consult Molex	Data 6-Pack Icons (Bag of 10)
CSP-00023-**-I	Consult Molex	Voice 6-Pack Icons (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
Suffix "-I" indicates parts with MRP label.



Keystone Jack

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

- Dual 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
- RJ-11 & RJ-12 compatible
- 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-**-I	Consult Molex	Keystone Jack, Category 6, 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
Suffix "-I" indicates parts with MRP label.



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.

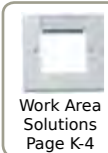
- Contemporary design
- Shuttered RJ45 DataGate Module
- Protected labelling facility
- Module and Blank 22 x 50mm



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

B



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

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	0180060061	Euromod Half (25 x 50mm) Blank - White
17-0414-02	0180060062	Euromod Full (50 x 50mm) Blank - White



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	Consult Molex	MOD-SNAP Module Blank

** Colour Options - 02 = White 04 = Black



Copper Solutions PowerCat™ 6 FTP



PowerCat 6™ FTP Patch Panel

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

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

Order No.	SAP No.	Description
PID-00182	181520015	1U 24 Port PowerCat 6 FTP Patch Panel 568A/B with Cable Management
Accessories		
CSP-00021-02	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CSP-00022-02	Consult Molex	Data 6-Pack Icons (Bag of 10)
CSP-00023-02	Consult Molex	Voice 6-Pack Icons (Bag of 10)



Copper Solutions PowerCat™ 5E UTP

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 5E UTP Cable

- Supports ultra high speed data networks such as Gigabit Ethernet (1000 Base-T)
- 4 pair PVC Cable
- Colour coded pairs for ease of termination
- Available in 305m pull boxes

- Available in blue and grey sheaths for application versatility
- UL listed
- RoHS Compliant

Order No.	SAP No.	Description
CAA-00102	0182080045	PowerCat 4 Pair Cable, 305m Pull Box - Grey
CAA-00009	0181700003	PowerCat 4 Pair Cable, 305m Pull Box - Blue
CAA-00166	0181700095	PowerCat 4 Pair Cable LSZH 305m Pull Box - Violet



PowerCat UTP Patch Cords

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

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

Order No.	SAP No.	Description
PCD-01000-02	Consult Molex	PowerCat 5E Patch Cord U/UTP, LS0H - 0.5m
PCD-01001-02	Consult Molex	PowerCat 5E Patch Cord U/UTP, LS0H - 1m
PCD-01002-02	Consult Molex	PowerCat 5E Patch Cord U/UTP, LS0H - 1.5m
PCD-01003-02	Consult Molex	PowerCat 5E Patch Cord U/UTP, LS0H - 2m
PCD-01005-02	Consult Molex	PowerCat 5E Patch Cord U/UTP, LS0H - 3m
PCD-01009-02	Consult Molex	PowerCat 5E Patch Cord U/UTP, LS0H - 5m
PCD-01013-02	Consult Molex	PowerCat 5E Patch Cord U/UTP, LS0H - 7m
PCD-01019-02	Consult Molex	PowerCat 5E Patch Cord U/UTP, LS0H - 10m

Insert color code in place of ** in part number when ordering Patch Cords: OC=Red, OE=Grey, OH=Blue, OJ=Green, OK=Yellow, OW=White, OP=Purple, ON=Orange, BK=Black Suffix "-I" indicates parts with MRP label.



PowerCat Unloaded DataGate Adapter Plate

The Unloaded Adapter Plate 3 x DataGate Jacks is designed for applications where fibre 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 Fibre Optic Panels. The Adapter Plate can also be combined with Fibre Optic 6 Fibre Adapter Plates for multi-media applications.

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



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

Copper Solutions PowerCat™ 5E UTP



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
Suffix "-I" indicates parts with MRP label.



PowerCat DataGate™ Patch Panel

PowerCat Category 5E DataGate Panels feature the shuttered DataGate connector. These panels come with integral rear cable management trays and are available in 24 and 48 port versions. Individual ports can be 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	24 Port DataGate Patch Panel RJ45 568A/B UTP C5E - 1U
PID-00175	0182080374	48 Port DataGate Patch Panel RJ45 568A/B UTP C5E - 2U
Accessories		
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
Suffix "-I" indicates parts with MRP label.



PowerCat Angled Patch Panels

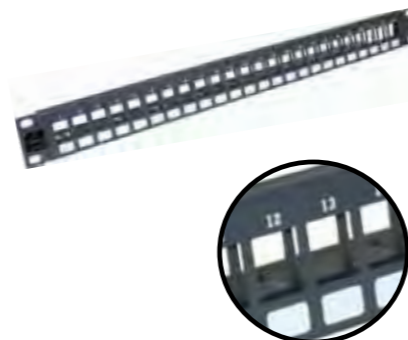
Angled Patch Panels are ideal for installations of high density or which utilise extensive side and end-of-the-rack cable management. The angled feature provides enhanced port access and minimises patch cord bend radius to the rack. Each port features a patented spring-loaded shutter and can be colour 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	24 Port Angled Patch Panel RJ45 568A/B UTP Category 5E - 1U
PID-00155	0182080295	48 Port Angled Patch Panel RJ45 568A/B UTP Category 5E - 2U
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CSP-00022-**	Consult Molex	Data 6-Pack Icons (Bag of 10)
CSP-00023-**	Consult Molex	Voice 6-Pack Icons (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
Suffix "-I" indicates parts with MRP label.

Copper Solutions PowerCat™ 5E UTP



PowerCat 5E 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. Port identification can be provided by utilising the silk screened areas shown on the front of the panel.

- 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

Order No.	SAP No.	Description
PID-00210	0180810023	24 Port Keystone Patch Panel, Unloaded - 1U
KSJ-00064-**	Consult Molex	Keystone Blank

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



PowerCat UTP Standard Grade Patch Panels

Standard Grade patch panels are a versatile means for connecting horizontal cabling. Featuring an integral rear cable management tray for ease of installation and cable dressing.

- 24 Ports, 1U
- Available in 568A/B Wiring
- Standard 19" rack mount
- Radius Minders cable management trays to ensure proper cable bend radius
- Supplied with complete labelling facilities
- RoHS Compliant

Order No.	SAP No.	Description
PID-00227	181780004	24 Port Standard Grade PowerCat Patch Panel, 568A/B, with Cable Management



PowerCat UTP High Density Patch Panels

Molex's PowerCat High Density Patch Panels are ideal for ISP applications or installations where cabinet/rack space is at a premium. Providing 32 or 48 ports in 1U, these patch panels offer an integral rear cable management tray specifically designed for neat and easy cable dressing. The front of the panel has a protected labelling facility for clear port labelling. Suitable for high speed data transmission, High Density panels utilise Molex's KATT IDC technology.

- 32 Ports 1U
- 48 Ports 1U
- EIA 568B wired
- Built-in cable management for proper cable dressing
- Standard 19" rack mounted
- Supplied with all mounting fixings
- RoHS Compliant

Order No.	SAP No.	Description
PID-00073	0181820012	48 Port High Density Patch Panel RJ45 56B UTP Category 5E 1U
PID-00074	0181820013	32 Port High Density PowerCat Patch Panel, 1U, 568B

Copper Solutions PowerCat™ 5E UTP



PowerCat DataGate™ Jacks

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

- "Spring Loaded" gate that prevents incomplete mating
- IDC contacts that flex not fatigue when terminated
- Pointed IDC towers to speed termination and enhance cable retention
- 568A/B wiring configuration
- Allows rear and side entry cable termination
- RoHS Compliant
- Designed for use with Molex's Synergy, Streamline & USO II system of wallplates and surface blocks
- Designed for use with Molex's Media Configurable Patch Panels



4 Pair Termination Tool
Page M-1

** 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

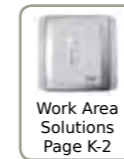
Copper Solutions PowerCat™ 5E UTP



Keystone Jack

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

- Dual 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
- RJ11 & RJ12 compatible
- Moulded category identification on jack face



Work Area Solutions
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** 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
Suffix "-I" indicates parts with MRP label.

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

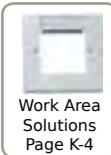


PowerCat UTP Euromod™ Modules

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	0180060061	Euromod Half (25 x 50mm) Blank - White
17-0414-02	0180060062	Euromod Full (50 x 50mm) Blank - White



Work Area Solutions
Page K-4



Consolidation Points
Page G-1



Media Configurable
Page H-3

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.

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

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.



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 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



Work Area Solutions
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Voice and Telco Solutions

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

The range also offers a cost effective and simple way to feed PBX or other voice circuits into an installation.



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



CAT 5E 24 Port PABX Patch Panel

Molex's 1000BASE-T Enhanced Category PABX Patch Panel is a 24 RJ45 port 568A/B configuration at the front wired to 6 RJ45 rear jacks.

- High impact flame retardant plastic housing
- 2 pair wiring - pre-wired 24 to 6 jacks
- Quick and easy rear connection
- 19" rack mountable

Order No.	SAP No.	Description
PID-00233	Consult Molex	24 Port CAT5E PABX Patch Panel - Fully Enclosed



Rack Mount Panels

This 19" rack mountable solution is designed for disconnect and connection modules. Panels are recessed to allow for cabinet door clearance and are available in three configurations; 1U (30 Pair), 2U (90 Pair) and 3U (150 Pair).

- 1U 30 Pair
- 2U 90 Pair
- 3U 150 Pair
- Standard 19" rack mount
- Recessed panel allowing clearance for cabinet doors on 19" rack
- Modules not provided
- RoHS Compliant

Order No.	SAP No.	Description
PID-00117	Consult Molex	1U Back Mount Panel 30 Pair - Unloaded
PID-00123	Consult Molex	2U Back Mount Panel 90 Pair - Unloaded
PID-00124	0182080438	3U Back Mount Panel 150 Pair - Unloaded

Voice and Telco Solutions



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 2 wires
- Accepts KATT or LSA+ IDC tools
- RoHS Compliant

Order No.	SAP No.	Description
DCN-00001	0182030001	10 Pair Disconnect Module
DCN-00002	0182030002	10 Pair Connection Module
DCN-00080	Consult Molex	8 Pair Cat 6 Disconnection Module



Gas Arrestor Module

An over-voltage system is available to protect circuits from voltage surges from lightning strikes or similar events. These modules are industry compliant and compatible with other voice cabling systems.

- Made from fibre reinforced polycarbonate
- Available unloaded or loaded with gas arrestors
- Siemens tripolar gas arrestor tube 230V
- Self loading or fully loaded magazines
- Arrestor Magazine supplied with transparent cover to prevent accidental contact
- "Telecommunications Network Voltages" sign supplied
- RoHS Compliant

Order No.	SAP No.	Description
DCN-00006	0182030006	Gas Arrestor Magazine, equipped with Tripolar GAT's
DCN-00007	0182030007	Gas Arrestor Magazine without GAT's
DCN-00018	0182030008	Siemens tripolar Gas Arrestor Tube (GAT) 230V 3 pin



Distribution Boxes

A variety of enclosures are available to house the termination modules and cabling to suit many applications and environments. The enclosures feature module mounting hardware, removable covers for easy access and a secure locking system.

- Available in 20, 30, 50 and 100 pair configurations
- Removable cover for easy access
- Cable entry seals fits a wide variety of cables (7mm to 30mm)
- Locking system
- RoHS Compliant

Order No.	SAP No.	Description
DCN-00014	0182030014	Distribution Box, 20 Pair, unloaded
DCN-00015	0182030015	Distribution Box, 30 Pair, unloaded
DCN-00016	0182030016	Distribution Box, 50 Pair, unloaded
DCN-00017	0182030017	Distribution Box, 100 Pair, unloaded
Accessories		
DCN-00020	0182030020	Label holder for modules
DCN-00012	0182030012	Disconnection Plug
DCN-00010	0182030010	Test Cord 2 Wire Version
DCN-00011	0182030011	Test Cord 4 Wire Version

Voice and Telco Solutions



Mounting Frames

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

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

Order No.	SAP No.	Description
DCN-00003	0182030003	30 Pair Jumperable Backmount Frame
DCN-00004	0182030004	50 Pair Jumperable Backmount Frame
DCN-00005	0182030005	100 Pair Jumperable Backmount Frame
DCN-00083	Consult Molex	11 Way Jumperable Clip On Frame
DCN-00084	Consult Molex	27 Way Jumperable Clip On Frame
DCN-00085	Consult Molex	11 Way Jumperable Backmount Frame
DCN-00086	Consult Molex	27 Way Jumperable Backmount Frame
DCN-00087	Consult Molex	690/552 Pair Main Distribution Frame
Accessories		
DCN-00008	Consult Molex	Label Holder for Back Mount frame
DCN-00013	0182030013	Dust Cover (for use with 100 pair Back Mount Frame without gas arrestor magazine)
DCN-00019	0182030019	Dust Cover (for use with 100 pair Back Mount Frame with gas arrestor magazine)
DCN-00102	Consult Molex	11 Way Clipable Cover
DCN-00103	Consult Molex	27 Way Clipable Cover



Category 5 UTP Cable

Molex Category 5 cable has been designed to support Telephony Voice Wiring applications. The cable has been designed and tested in accordance with EIA/TIA568B & ISO11801 standards.

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

Order No.	SAP No.	Description
95.C090	Consult Molex	25 pair Category 5 UTP Cable, 24 AWG, PVC, Grey, 305m
95.C030 G	884791303	25 pair Category 5 UTP Cable, 24 AWG, PVC, Grey, 305m



Category 3 UTP Cable

Molex Category 3 cables have been designed to support Telephony Voice Wiring applications. The cable has been designed and tested in accordance with UL Subject 444, EIA/TIA568 & ISO/IEC 11801 standards.

- Supports telephony voice wiring applications
- 25, 50 or 100 pair cables pair Cable
- MDPE (Medium Density Polyethylene jacket)
- Colour coded pairs for ease of termination

Order No.	SAP No.	Description
39-125	0180480001	25 Pair Category 3 UTP Cable, PVC - Grey
CAA-00002	0182080082	50 pair Category 3 UTP Cable, 24 AWG, PVC, Grey, 305m
CAA-00022	0180480012	100 pair Outdoor Category 3 UTP Cable, 24 AWG, MDPE, Grey, 305m
39.B0180	0180480012	100 Pair Category 3 UTP Cable, PVC - Grey

PDS Solutions Category 6



The Category 6 Premise Distribution System (PDS) incorporates a unique pair separation design on the 4 Pair connector. This unique design feature enables 96 pairs to a base, making it one of the highest density Category 6 pair management blocks on the market.

The Molex Category 6 PDS system is independently tested and verified by ETL Semko to ensure compliance to channel and component performance criteria according to international standards.

Category 6 4 Pair IDC Connectors

The 4 Pair IDC block is a high-performance connector capable of providing high-speed data transmission. The design utilises split-pair technology to provide Category 6 performance.

- High performance IDC
- Independently tested
- Gas tight termination

Order No.	SAP No.	Description
KPD-00088	0181980071	4 Pair IDC Connectors (Each) C6



Category 6 PDS 96 Pair Termination Block Kits

The 96 Pair Termination Block Base is the key component of the C6 PDS system and has the same footprint as the Category 5E 100 Pair Termination Block Base. Category 6 performance is guaranteed by the unique pair separation (for the reduction of cross-talk) designed into the base. Manufactured from flame retardant thermoplastic, the termination block base features cut-outs for easy cable routing and is available with or without legs. Supplied with label cards and label holders and 24 4-Pair IDC connectors.

- Industry standard wall mount format
- Available with or without mounting legs
- Supplied with label cards and holders
- Features cut-outs for cable routing
- Available as a kit with IDC connectors or as stand alone bases

Order No.	SAP No.	Description
KPD-00078	0181980088	96 Pair Base Without Legs (24 Category 6 4 Pair IDC Connectors) C6
KPD-00079	0181980068	96 Pair Base With Legs (24 Category 6 4 Pair IDC Connectors) C6
KPD-00089	0181980072	96 Pair Base Without Legs (No Connectors) C6
KPD-00090	0181980073	96 Pair Base With Legs (No Connectors) C6



Category 6 19" PDS Rack Mount Panels

Combining all the advantages of a block-based system with frame mounted active equipment, the Category 6 19" Rack Mount PDS is available as a 3U 192 pair system with 1U cable management rings or as a 4U 192 pair system with 2U cable management rings.

- 19" Rack Mount format
- 192 pair 3U or 4U
- 3U - Single shallow management rings
- 4U - Double shallow management rings
- Supplied with label cards and holders
- Features cut-outs for cable routing



Order No.	SAP No.	Description
KPD-00080	181980085	192 Pair Rack Mount Panel (48 Category 6 4 Pair IDC Connectors) C6 - 3U
KPD-00081	Consult Molex	192 Pair Rack Mount Panel (48 Category 6 4 Pair IDC Connectors) C6 - 4U

Accessories		
36.B0160	180410008	Purple Designation Labels - Bag of 100
36.B0170	180410009	Grey Designation Labels - Bag of 100
36.B0180	180410010	Blue Designation Labels - Bag of 100
36.B0190	180410011	Brown Designation Labels - Bag of 100



Category 6 PDS Patch Cords

Category 6 PDS Patch Cords are available as 4 Pair to 4 Pair assemblies or 4 Pair to RJ45 variants. The Category 6 PDS Patch Cord is polarised to prevent accidental reversal of the cord. A moulded-in arrow on the top of the connector provides a visual indication of the correct orientation. Integral strain relief holds the cable in place during lacing and provides proper cable retention for the terminated Category 6 PDS connector.

- 4 Pair - 4 Pair & 4 Pair - RJ45 variations available
- Circuits can be easily changed by untrained personnel without using a punch down tool
- Available in 1, 2, 3 and 5m lengths

Order No.	SAP No.	Description
KPC-00161-0E	Consult Molex	4 Pair - 4 Pair, Category 6 PDS Patch Cord - 1m
KPC-00162-0E	Consult Molex	4 Pair - 4 Pair, Category 6 PDS Patch Cord - 2m
KPC-00163-0E	Consult Molex	4 Pair - 4 Pair, Category 6 PDS Patch Cord - 3m
KPC-00165-0E	Consult Molex	4 Pair - 4 Pair, Category 6 PDS Patch Cord - 5m
KPC-00171-0E	Consult Molex	4 Pair - RJ45, Category 6 PDS Patch Cord - 1m
KPC-00172-0E	Consult Molex	4 Pair - RJ45, Category 6 PDS Patch Cord - 2m
KPC-00173-0E	Consult Molex	4 Pair - RJ45, Category 6 PDS Patch Cord - 3m
KPC-00175-0E	Consult Molex	4 Pair - RJ45, Category 6 PDS Patch Cord - 5m
KPC-00181-0E	Consult Molex	1 Pair - 1 Pair PDS Patch Cord - 1m
KPC-00182-0E	Consult Molex	1 Pair - 1 Pair PDS Patch Cord - 2m
KPC-00183-0E	Consult Molex	1 Pair - 1 Pair PDS Patch Cord - 3m
KPC-00184-0E	Consult Molex	2 Pair - 2 Pair PDS Patch Cord - 1m
KPC-00185-0E	Consult Molex	2 Pair - 2 Pair PDS Patch Cord - 2m
KPC-00186-0E	Consult Molex	2 Pair - 2 Pair PDS Patch Cord - 3m

Category 6 PDS Wall Mount Frame & Accessory Kits

The Molex Category 6 PDS Wall Mount Frame system is available in 288 and 864 pair versions that accommodate 96 pair bases, horizontal and vertical cable management rings, plus drip trays to keep excess cable lengths safely off the floor.

The Wall Mount Frame and Accessories can be purchased as individual components or in convenient kit form- unloaded, or loaded with Molex's Category 6 compliant IDC connectors.

- Available in 288 pair or 864 pair sizes
- Available in kit form with Category 6 IDC connectors and cable management, or as individual items
- Available with deep or shallow cable management rings for high and low density patching applications
- RoHS Compliant

Order No.	SAP No.	Description
KPD-00082	Consult Molex	288 Pair Wall Mount, Shallow, 4 Pair IDC Connectors
KPD-00083	Consult Molex	288 Pair Wall Mount, Deep, 4 Pair IDC Connectors
KPD-00084	Consult Molex	864 Pair Wall Mount, Shallow, 4 Pair IDC Connector
KPD-00085	Consult Molex	864 Pair Wall Mount, Deep, 4 Pair IDC Connectors
36.C0284	0180410043	288 Pair Wall Mount Frame Vertical Ring Run Kit
36.C0294	0180410048	864 Pair Wall Mount Frame Vertical Ring Run Kit

Multi-Pair Category 6 PDS IDC Connector Termination Tool

The multi-pair termination tool is designed to terminate the Molex Category 6 4-Pair IDC connector providing a gas tight, reliable, high impact termination.

The uniquely designed Molex Category 6 IDC connector can only be terminated with the specifically designed Molex multi-pair termination tool.

For terminating individual pairs, a standard 110 style termination tool can be used.

- For use solely with Molex Category 6 PDS 4 Pair IDC Connector
- Provides gas tight, reliable, high impact termination
- Tool head compatible with standard 110 handle

Order No.	SAP No.	Description
KPD-00087	0181980070	Category 6 110 Style Multi-Pair Termination Tool with Head and Handle
KPD-00086	0181980069	Category 6 Multi-Pair IDC Connector Termination Tool Head

The 110 IDC is a defacto standard used by many cabling vendors, and is broadly used in voice, data and building services cabling systems. The Molex 110 system is fully compatible with all other 110 style systems enabling deployment into existing systems for expansion or refurbishment programs.



110 PDS Termination Block Kits

The 100 Pair Blocks are the key component in wall mount 110 Premise Distribution System (PDS). The solidly constructed unit has the unique 110 connector which allows punchdown with most standard tools and has several convenient features. These include wiring strips that are marked to quickly identify 5 pair groups when lacing 25 pair backbone cable and designation strips marked for 1, 2, 4 and 5 pair connectors that are available in colours to easily identify specific sections of the PDS installation.

- Industry standard wall mount format
- Features cut outs for cable routing for easier installation and enables cable sheathing to be maintained down to 25mm
- Available as a kit with IDC connectors or as a stand alone base
- Supplied with label cards and holders
- RoHS compliant

Order No.	SAP No.	Description
KPD-00045	0181980031	100 Pair Block with legs (24 x C4 connectors)
KPD-00046	0181980032	100 Pair Block with legs (20 x C5 connectors)
KPD-00065	0181980081	110 Style 100 Pair Block with legs (20 x C4 and 4 x C5 110 connectors)
KPD-00047	0181980033	300 Pair Block with legs (72 x C4 connectors)
KPD-00048	0181980034	300 Pair Block with legs (60 x C5 connectors)

110 PDS Rack Mount Panels

This cross connect system combines the advantages of a block-based system with frame mounted active equipment. This block-based format affords individual cable pair management not possible with an RJ patching field: the installer has the advantage of defining cross connections as either 1, 2, 4 or 5 pair at the installation stage rather than at the initial design stage.

- Standard 19" rack mount
- C5E performance
- 200 pair capacity
- Supplied with label cards and holders
- 3U - small cable management rings for low density applications
- 4U - large cable management rings for high density applications
- Available as a kit with IDC connectors or as a stand alone base
- RoHS compliant



Order No.	SAP No.	Description
36.B040G	0180410015	200 Pair PDS Panel 3U (no connectors)
KPD-00060	0181980043	200 Pair 3U PDS Panel (48 x 110 C4 connectors)
KPD-00061	0181980044	200 Pair 3U PDS Panel (40 x 110 C5 connectors)
36.B022G	0180410012	200 Pair 4U PDS Panel (no connectors)
KPD-00062	0181980045	200 Pair 4U PDS Panel (48 x 110 C4 connectors)
KPD-00063	0181980046	200 Pair 4U PDS Panel (40 x 110 C5 connectors)

110 Style Connector

Molex's 110 Style Connector is a high-performance IDC capable of providing all your voice and data interconnect needs. It has been independently tested to EIA/TIA standards to assure a gas-tight, Category 5E connection.

- Available in 4 pair (8 pos) and 5 pair (10 pos) versions
- Category 5E performance
- IDC contact accepts one conductor only
- RoHS compliant



The Molex 110 style connector is fully compatible with other 110 style components, including; 110 style bases, tools, patch cords and test heads.

Order No.	SAP No.	Description
KPD-00058	0181980022	110-C4 Connectors (bag of 100)
KPD-00059	0181980023	110-C5 Connectors (bag of 100)



110 PDS Patch Cords

110 PDS Category 5E patch cords complete the system and are available in 1, 2 and 4 pair pre-terminated versions for easy pair administration. 110 PDS patch cords are polarised to prevent accidental reversal.

- Category 5E performance
- 1, 2 and 4 pair

Order No.	SAP No.	Description
KPC-00105-0E	0180420096	4 Pair - 4 Pair, Category 5E, 1m
KPC-00106-0E	0182080139	4 Pair - 4 Pair, Category 5E, 2m
KPC-00107-0E	0180420097	4 Pair - 4 Pair, Category 5E, 3m
KPC-00108-0E	0180420098	4 Pair - 4 Pair, Category 5E, 5m
KPC-00109-0E	0180440006	2 Pair - 2 Pair, Category 5E, 1m
KPC-00110-0E	0180440007	2 Pair - 2 Pair, Category 5E, 2m
KPC-00111-0E	0180440008	2 Pair - 2 Pair, Category 5E, 3m
KPC-00113-0E	0181480004	1 Pair - 1 Pair, Category 5E, 1m
KPC-00114-0E	0181480005	1 Pair - 1 Pair, Category 5E, 2m
KPC-00115-0E	0181480006	1 Pair - 1 Pair, Category 5E, 3m
KPC-00117-0E	0180820007	4 Pair - RJ45, Category 5E, 568A, 1m
KPC-00118-0E	0182080246	4 Pair - RJ45, Category 5E, 568A, 2m
KPC-00119-0E	0180820008	4 Pair - RJ45, Category 5E, 568A, 3m
KPC-00120-0E	0180820009	4 Pair - RJ45, Category 5E, 568A, 5m

110 PDS Wall Mount Frame & Accessory Kits

Available in 300 and 900 pair versions the 110 Frame provides a complete communications facility. The Frame accommodates 100 pair bases, horizontal and vertical cable management rings, and drip trays. Its design allows ample space behind the unit for incoming cable. The Wall Mount Frame, Drip Trays, and Ring Run Panels are constructed of rugged, black powder coated steel.

- Available in 300 pair or 900 pair sizes
- Available in kit form with IDC connectors and cable management, or as individual items
- Available with deep or shallow cable management rings for high and low density patching applications
- RoHS Compliant

The 110 PDS Wall Mount Frame and Accessories can be purchased as individual components or in convenient kit form-unloaded, or loaded with Molex's Category 5E compliant 110 connectors. Kits are packaged to suit all application requirements according to system density.

Order No.	SAP No.	Description
36.C0054	0180410044	PDS Wall Mount Frame, 300 pair - Unloaded
36.C0064	0180410045	PDS Wall Mount Frame, 900 pair - Unloaded
36.C0074	0180410035	PDS Wall Mount Frame Vertical Drip Tray
36.C0084	0180410036	PDS Wall Mount Frame Drip Tray
36.C0094	0180410037	PDS Wall Mount Frame Shallow Ring Run
36.C0104	0180410038	PDS Wall Mount Frame Deep Ring Run
36.C0114	0180410034	PDS Wall Mount Frame Vertical Ring Run
Accessories		
36.C0204	Consult Molex	PDS 300 Pair Wall Mount Frame Kit, Shallow - Unloaded
36.C0214	Consult Molex	PDS 300 Pair Wall Mount Frame Kit, Deep - Unloaded
KPD-00066	0181980024	PDS 300 Pair Wall Mount Frame Kit, Shallow (with C4 & C5 connectors)
KPD-00067	0181980082	PDS 300 Pair Wall Mount Frame Kit, Deep (with C4 & C5 connectors)
36.C0244	Consult Molex	PDS 900 Pair Wall Mount Frame Kit, Shallow - Unloaded
36.C0254	Consult Molex	PDS 900 Pair Wall Mount Frame Kit, Deep - Unloaded
KPD-00068	181980083	PDS 900 Pair Wall Mount Frame Kit, Shallow (with C4 & C5 connectors)
KPD-00069	181980084	PDS 900 Pair Wall Mount Frame Kit, Deep (with C4 & C5 connectors)
36.C0284	180410043	PDS 300 Pair Wall Mount Frame Vertical Ring Run Kit
36.C0294	180410048	PDS 900 Pair Wall Mount Frame Vertical Ring Run Kit



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

The Molex Fibre 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.

Fibre Cable - Indoor/Outdoor Tight

Buffered Riser LS0H Jacket

- LS0H Sheath
- OFNR riser rated
- 900µm tight buffered
- Internal/duct grade
- Aramid yarn strength member

- E glass yarn - rodent resistant
- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions
- Fibres compliant to ISO/IEC 11801 fibre specifications
- Other core counts available upon request

OM1	SAP No.	OM2	SAP No.	Description
AFOIZ004OM1	Consult Molex	AFOIZ004OM2	Consult Molex	4 Core Armoured Fibre Cable
AFOIZ006OM1	Consult Molex	AFOIZ006OM2	Consult Molex	6 Core Armoured Fibre Cable
AFOIZ008OM1	Consult Molex	AFOIZ008OM2	Consult Molex	8 Core Armoured Fibre Cable
AFOIZ012OM1	180580326	AFOIZ012OM2	Consult Molex	12 Core Armoured Fibre Cable
AFOIZ024OM1	0180580327	AFOIZ024OM2	Consult Molex	24 Core Armoured Fibre Cable

OM3	SAP No.	OM4	SAP No.	Description
AFOIZ004OM3	Consult Molex	AFOIZ004OM4	180570218	4 Core Armoured Fibre Cable
AFOIZ006OM3	180580312	AFOIZ006OM4	180570219	6 Core Armoured Fibre Cable
AFOIZ008OM3	0180580333	AFOIZ008OM4	180570220	8 Core Armoured Fibre Cable
AFOIZ012OM3	Consult Molex	AFOIZ012OM4	180570221	12 Core Armoured Fibre Cable
AFOIZ024OM3	Consult Molex	AFOIZ024OM4	180570222	24 Core Armoured Fibre Cable

OS2	SAP No.	Description
AFOIZ004OS2	Consult Molex	4 Core Armoured Fibre Cable
AFOIZ006OS2	Consult Molex	6 Core Armoured Fibre Cable
AFOIZ008OS2	Consult Molex	8 Core Armoured Fibre Cable
AFOIZ012OS2	Consult Molex	12 Core Armoured Fibre Cable
AFOIZ024OS2	Consult Molex	24 Core Armoured Fibre Cable

Outdoor Armoured Loose Tube Water Block Gel Filled Polyethylene Jacket

- Loose tube construction
- Armoured for harsh outdoor applications
- Multiple Loose tube construction surrounds the fibres in a protective gel, allowing for expansion and contraction of the cable without damage to the fibres

- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions
- Fibres compliant to ISO/IEC 11801 fibre specifications
- HDPE jacket



OM1	SAP No.	OM2	SAP No.	Description
AFOAJ004OM1	180570014	AFOAJ004OM2	180570015	4 Core Armoured Fibre Cable
AFOAJ006OM1	180570018	AFOAJ006OM2	180570019	6 Core Armoured Fibre Cable
AFOAJ008OM1	180580328	AFOAJ008OM2	180570060	8 Core Armoured Fibre Cable
AFOAJ012OM1	180570022	AFOAJ012OM2	180570023	12 Core Armoured Fibre Cable
AFOAJ024OM1	180570026	AFOAJ024OM2	180570027	24 Core Armoured Fibre Cable

OM3	SAP No.	OM4	SAP No.	Description
AFOAJ004OM3	180570016	AFOAJ004OM4	180570208	4 Core Armoured Fibre Cable
AFOAJ006OM3	180570020	AFOAJ006OM4	180570209	6 Core Armoured Fibre Cable
AFOAJ008OM3	180570238	AFOAJ008OM4	180570210	8 Core Armoured Fibre Cable
AFOAJ012OM3	180570024	AFOAJ012OM4	180570211	12 Core Armoured Fibre Cable
AFOAJ024OM3	180570028	AFOAJ024OM4	180570212	24 Core Armoured Fibre Cable

OS2	SAP No.	No. of Cores
AFOAJ004OS2	180570203	4 Core Armoured Fibre Cable
AFOAJ006OS2	180570204	6 Core Armoured Fibre Cable
AFOAJ008OS2	180570205	8 Core Armoured Fibre Cable
AFOAJ012OS2	180570206	12 Core Armoured Fibre Cable
AFOAJ024OS2	180570207	24 Core Armoured Fibre Cable

Fibre Optic Solution Lightband™ Cable



Outdoor Armoured Unitube Water Block Gel Filled Polyethylene Jacket

- Loose tube construction
- Steel tape armoured for outdoor direct burial application
- Single Loose tube construction surrounds the fibres in a protective gel, allowing for expansion and contraction of the cable without damage to the fibres

- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions
- Fibres compliant to ISO/IEC 11801 fibre specifications
- Single polyethylene jacket

OM1	SAP No.	OM2	SAP No.	Description
AFOUN004OM1	180570144	AFOUN004OM2	Consult Molex	4 Core Armoured Unitube Fibre Cable
AFOUN006OM1	180570145	AFOUN006OM2	180570117	6 Core Armoured Unitube Fibre Cable
AFOUN008OM1	180570162	AFOUN008OM2	Consult Molex	8 Core Armoured Unitube Fibre Cable
AFOUN012OM1	Consult Molex	AFOUN012OM2	180570158	12 Core Armoured Unitube Fibre Cable

OM3	SAP No.	OM2	SAP No.	Description
AFOUN004OM3	Consult Molex	AFOUN004OM4	Consult Molex-	4 Core Armoured Unitube Fibre Cable
AFOUN006OM3	180570154	AFOUN006OM4	Consult Molex	6 Core Armoured Unitube Fibre Cable
AFOUN008OM3	Consult Molex	AFOUN008OM4	Consult Molex-	8 Core Armoured Unitube Fibre Cable
AFOUN012OM3	180570143	AFOUN012OM4	Consult Molex	12 Core Armoured Unitube Fibre Cable

OS2	SAP No.	No. of Cores
AFOUN004OS2	Consult Molex-	4 Core Armoured Unitube Fibre Cable
AFOUN006OS2	Consult Molex	6 Core Armoured Unitube Fibre Cable
AFOUN008OS2	Consult Molex-	8 Core Armoured Unitube Fibre Cable
AFOUN012OS2	Consult Molex	12 Core Armoured Unitube Fibre Cable

Fibre Optic Solution Lightband™ Cable



Fibre Cable-Outdoor Armoured Loose Tube Water Block Gel Filled LSZH Jacket

- Loose tube construction
- Armoured for harsh outdoor applications
- Multiple Loose tube construction surrounds the fibres in a protective gel, allowing for expansion and contraction of the cable without damage to the fibres

- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions
- Fibres compliant to ISO/IEC 11801 fibre specifications
- LSZH jacket

OM1	SAP No.	OM2	SAP No.	Description
AFOAZ004OM1	Consult Molex	AFOAZ004OM2	Consult Molex	4 Core Armoured Fibre Cable
AFOAZ006OM1	Consult Molex	AFOAZ006OM2	Consult Molex	6 Core Armoured Fibre Cable
AFOAZ008OM1	Consult Molex	AFOAZ008OM2	Consult Molex	8 Core Armoured Fibre Cable
AFOAZ012OM1	Consult Molex	AFOAZ012OM2	Consult Molex	12 Core Armoured Fibre Cable
AFOAZ024OM1	Consult Molex	AFOAZ024OM2	Consult Molex	24 Core Armoured Fibre Cable

OM3	SAP No.	OM4	SAP No.	Description
AFOAZ004OM3	Consult Molex	AFOAZ004OM4	180570198	4 Core Armoured Fibre Cable
AFOAZ006OM3	Consult Molex	AFOAZ006OM4	180570199	6 Core Armoured Fibre Cable
AFOAZ008OM3	Consult Molex	AFOAZ008OM4	180570200	8 Core Armoured Fibre Cable
AFOAZ012OM3	Consult Molex	AFOAZ012OM4	180570201	12 Core Armoured Fibre Cable
AFOAZ024OM3	Consult Molex	AFOAZ024OM4	180570202	24 Core Armoured Fibre Cable

OS2	SAP No.	Description
AFOAZ004OS2	180570193	4 Core Armoured Fibre Cable
AFOAZ006OS2	180570194	6 Core Armoured Fibre Cable
AFOAZ008OS2	180570195	8 Core Armoured Fibre Cable
AFOAZ012OS2	180570196	12 Core Armoured Fibre Cable
AFOAZ024OS2	180570197	24 Core Armoured Fibre Cable

Fibre Cable - Outdoor Armoured Loose Tube Water Block Gel Filled Nylon Jacket

- Loose tube construction
- Armoured for harsh outdoor applications
- Loose tube construction surrounds the fibres in a protective gel, allowing for expansion and contraction of the cable without damage to the fibres

- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions
- Fibres compliant to ISO/IEC 11801 fibre specifications
- Nylon jacket

OM1	SAP No.	OM2	SAP No.	Description
AFOAH004OM1	Consult Molex	AFOAH004OM2	Consult Molex	4 Core Armoured Fibre Cable
AFOAH006OM1	Consult Molex	AFOAH006OM2	Consult Molex	6 Core Armoured Fibre Cable
AFOAH008OM1	Consult Molex	AFOAH008OM2	Consult Molex	8 Core Armoured Fibre Cable
AFOAH012OM1	Consult Molex	AFOAH012OM2	Consult Molex	12 Core Armoured Fibre Cable
AFOAH024OM1	Consult Molex	AFOAH024OM2	Consult Molex	24 Core Armoured Fibre Cable

OM3	SAP No.	OM4	SAP No.	Description
AFOAH004OM3	Consult Molex	AFOAH004OM4	180570198	4 Core Armoured Fibre Cable
AFOAH006OM3	Consult Molex	AFOAH006OM4	180570199	6 Core Armoured Fibre Cable
AFOAH008OM3	Consult Molex	AFOAH008OM4	180570200	8 Core Armoured Fibre Cable
AFOAH012OM3	Consult Molex	AFOAH012OM4	180570201	12 Core Armoured Fibre Cable
AFOAH024OM3	Consult Molex	AFOAH024OM4	180570202	24 Core Armoured Fibre Cable

OS2	SAP No.	Description
AFOAH004OS2	180570193	4 Core Armoured Fibre Cable
AFOAH006OS2	180570194	6 Core Armoured Fibre Cable
AFOAH008OS2	180570195	8 Core Armoured Fibre Cable
AFOAH012OS2	180570196	12 Core Armoured Fibre Cable
AFOAH024OS2	180570197	24 Core Armoured Fibre Cable

Fibre Cable-Outdoor Loose Tube Water Block Gel Filled HDPE jacket

- Internal/Duct grade
- Non metallic construction, ideal for campus applications
- Outer HDPE jacket provides protection from termites

- Optical Fibres are colour coded for easy identification
- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions
- Fibres compliant to ISO/IEC 11801 fibre specifications

OM1	SAP No.	OM2	SAP No.	Description
ZFOLA004OM1	Consult Molex	ZFOLA004OM2	Consult Molex	4 Core Loose Tube Fibre Cable
ZFOLA006OM1	Consult Molex	ZFOLA006OM2	Consult Molex	6 Core Loose Tube Fibre Cable
ZFOLA008OM1	0180570115	ZFOLA008OM2	Consult Molex	8 Core Loose Tube Fibre Cable
ZFOLA012OM1	Consult Molex	ZFOLA012OM2	Consult Molex	12 Core Loose Tube Fibre Cable
ZFOLA024OM1	Consult Molex	ZFOLA024OM2	Consult Molex	24 Core Loose Tube Fibre Cable

OM3	SAP No.	OM4	SAP No.	Description
ZFOLA004OM3	Consult Molex	ZFOLA004OM4	180570178	4 Core Loose Tube Fibre Cable
ZFOLA006OM3	Consult Molex	ZFOLA006OM4	180570179	6 Core Loose Tube Fibre Cable
ZFOLA008OM3	Consult Molex	ZFOLA008OM4	180570180	8 Core Loose Tube Fibre Cable
ZFOLA012OM3	Consult Molex	ZFOLA012OM4	180570181	12 Core Loose Tube Fibre Cable
ZFOLA024OM3	Consult Molex	ZFOLA024OM4	180570182	24 Core Loose Tube Fibre Cable

OS2	SAP No.	Description
ZFOLA004OS2	180570173	4 Core Loose Tube Fibre Cable
ZFOLA006OS2	180570174	6 Core Loose Tube Fibre Cable
ZFOLA008OS2	180570175	8 Core Loose Tube Fibre Cable
ZFOLA012OS2	180570176	12 Core Loose Tube Fibre Cable
ZFOLA024OS2	180570177	24 Core Loose Tube Fibre Cable

Fibre Optic Solution Lightband™ Cable



Fibre Cable - Outdoor Loose Tube Water

Block Gel Filled Nylon Jacket

- Internal/Duct grade
- Aramid yarn strength member
- Non metallic construction, ideal for campus applications
- Outer nylon jacket provides protection from termites

- Optical fibres are colour coded for easy identification
- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions
- Fibres compliant to ISO/IEC 11801 fibre specifications

OM1	SAP No.	OM2	SAP No.	Description
AFOLH004OM1	Consult Molex	AFOLH004OM2	Consult Molex	4 Core Armoured Fibre Cable
AFOLH006OM1	Consult Molex	AFOLH006OM2	Consult Molex	6 Core Armoured Fibre Cable
AFOLH008OM1	0180570115	AFOLH008OM2	Consult Molex	8 Core Armoured Fibre Cable
AFOLH012OM1	Consult Molex	AFOLH012OM2	Consult Molex	12 Core Armoured Fibre Cable
AFOLH024OM1	Consult Molex	AFOLH024OM2	Consult Molex	24 Core Armoured Fibre Cable

OM3	SAP No.	OM4	SAP No.	Description
AFOLH004OM3	Consult Molex	AFOLH004OM4	180570178	4 Core Armoured Fibre Cable
AFOLH006OM3	Consult Molex	AFOLH006OM4	180570179	6 Core Armoured Fibre Cable
AFOLH008OM3	Consult Molex	AFOLH008OM4	180570180	8 Core Armoured Fibre Cable
AFOLH012OM3	Consult Molex	AFOLH012OM4	180570181	12 Core Armoured Fibre Cable
AFOLH024OM3	Consult Molex	AFOLH024OM4	180570182	24 Core Armoured Fibre Cable

OS2	SAP No.	Description
AFOLH004OS2	180570173	4 Core Armoured Fibre Cable
AFOLH006OS2	180570174	6 Core Armoured Fibre Cable
AFOLH008OS2	180570175	8 Core Armoured Fibre Cable
AFOLH012OS2	180570176	12 Core Armoured Fibre Cable
AFOLH024OS2	180570177	24 Core Armoured Fibre Cable

Inter-Locking Armoured Indoor Tight Buffered Sheath

- Flexible jacketed armour maintains fibre bend radius during installation
- Armoured for harsh outdoor applications
- Fibres compliant to ISO/IEC 11801 fibre specifications
- Listed OFNR/FT4, OFNP/FT6

- Small OD, single-pull cost effective alternative to inner duct and or conduit permitting significant installation and material cost savings.
- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions

OM1	SAP No.	OM2	SAP No.	No. of Cores
AFOXR004OM1	Consult Molex	AFOXR004OM2	Consult Molex	4 Core Inter-Locking Fibre Cable
AFOXR006OM1	Consult Molex	AFOXR006OM2	Consult Molex	6 Core Inter-Locking Fibre Cable
AFOXR008OM1	Consult Molex	AFOXR008OM2	Consult Molex	8 Core Inter-Locking Fibre Cable
AFOXR012OM1	Consult Molex	AFOXR012OM2	Consult Molex	12 Core Inter-Locking Fibre Cable
AFOXR024OM1	Consult Molex	AFOXR024OM2	Consult Molex	24 Core Inter-Locking Fibre Cable

OM3	SAP No.	OM4	SAP No.	No. of Cores
AFOXR004OM3	Consult Molex	AFOXR004OM4	180580381	4 Core Inter-Locking Fibre Cable
AFOXR006OM3	Consult Molex	AFOXR006OM4	180580382	6 Core Inter-Locking Fibre Cable
AFOXR008OM3	Consult Molex	AFOXR008OM4	180580383	8 Core Inter-Locking Fibre Cable
AFOXR012OM3	Consult Molex	AFOXR012OM4	180580384	12 Core Inter-Locking Fibre Cable
AFOXR024OM3	Consult Molex	AFOXR024OM4	180580385	24 Core Inter-Locking Fibre Cable

OS1	SAP No.	OS2	SAP No.	No. of Cores
AFOXR004OS1	Consult Molex	AFOXR004OS2	180580376	4 Core Inter-Locking Fibre Cable
AFOXR006OS1	Consult Molex	AFOXR006OS2	180580377	6 Core Inter-Locking Fibre Cable
AFOXR008OS1	Consult Molex	AFOXR008OS2	180580378	8 Core Inter-Locking Fibre Cable
AFOXR012OS1	Consult Molex	AFOXR012OS2	180580379	12 Core Inter-Locking Fibre Cable
AFOXR024OS1	Consult Molex	AFOXR024OS2	180580380	24 Core Inter-Locking Fibre Cable



Fibre Optic Solution Lightband™ Pre-Terminated Fibre Optic Leads



Molex Pre-Terminated Fibre 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 Centre tie cables and low optical loss backbone riser cables.

Pre-terminated Fibre Optic Leads

- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions
- Fibres compliant to ISO/IEC 11801 fibre 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

91-XXFFFISO-CC-YYY

Family

Cable Type

BP = Tight Buffered OFNP 4-24 Core
BR = Tight Buffered OFNR 4-24 Core OFNR
IP = Indoor/Outdoor Dry Core OFNP 24-144 Core
IR = Indoor/Outdoor Indoor/Outdoor Dry Core OFNR 24-144 Core
MP = OFNP Micro Core For MTP/MPO
MR = OFNR Micro Core For MTP/MPO

Fibre Count

12-144

Length (metres)
001 = 1 metre

Connector Type, each end

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

Fibre Type

OM1 = 62.5/125µm (500/500)
OM2 = 50/125µm (500/500)
OM3 = 50/125µm (2000/500)
OM4 = 50/125µm (4700/500)
OS1 = 9/125µm
OS2 = 9/125µm

For Example: To order a 5 metre, Tight Buffered, OM1, LC-LC, 12 fibre trunk cable the part number would be 91-BP012OM1-LL-005

Fibre Optic Solution Lightband™ Pre-Terminated Fibre Optic Leads



LC Pigtaills

Order No.	SAP No.	Description
91.L0.632.00B00-6	0180590553	LC Pigtaills 6 PC X 1 Fibre 62.5µm (OM1) MM - 1.5M
91.L0.532.00B00-6	0180590341	LC Pigtaills 6 PC X 1 Fibre 50µm (OM2) MM - 1.5M
91.L0.332.00B00-6	0180590552	LC Pigtaills 6 PC X 1 Fibre 50µm (OM3) MM - 1.5M
91.L0.832.00B00-6	0180590554	LC Pigtaills 6 PC X 1 Fibre 9µm (OS1/2) SM - 1.5M
91.L0.432.00B00-6	0180610108	LC Pigtaills 6 PC X 1 Fibre 50µm (OM4) MM - 1.5M
91-BR0060M4-L0-002	Consult Molex	LC Pigtaills 6 Fibres 50µm (OM4) MM - 2M
91-BR0060S2-L0-002	Consult Molex	LC Pigtaills 6 Fibres 50µm (OS2) SM - 2M
91-BR0120M4-L0-002	Consult Molex	LC Pigtaills 12 Fibres 50µm (OM4) MM - 2M
91-BR0120S2-L0-002	Consult Molex	LC Pigtaills 12 Fibres 50µm (OS2) SM - 2M
91-BR0060M1-L0-002	0180590525	LC Pigtaills, 6 Fibres, 62.5µm (OM1) MM - 2m
91-BR0060M2-L0-002	0180590528	LC Pigtaills, 6 Fibres, 50µm (OM2) MM - 2m
91-BR0060M3-L0-002	0180590531	LC Pigtaills, 6 Fibres, 50µm (OM3) MM - 2m
91-BR0120M1-L0-002	0180590537	LC Pigtaills, 12 Fibres, 62.5µm (OM1) MM - 2m
91-BR0120M2-L0-002	0180590540	LC Pigtaills, 12 Fibres, 50µm (OM2) MM - 2m
91-BR0120M3-L0-002	0180590543	LC Pigtaills, 12 Fibres, 50µm (OM3) MM - 2m
91-BR0120S2-L0-002	0180590546	LC Pigtaills, 12 Fibres, (OS1/2) SM - 2m

SC Pigtaills

Order No.	SAP No.	Description
91.30.632.00B00-6	0180590340	SC Pigtaills 6 PC X 1 Fibre 62.5µm (OM1) MM - 1.5M
91.30.532.00B00-6	0180590549	SC Pigtaills 6 PC X 1 Fibre 50µm (OM2) MM - 1.5M
91.30.332.00B00-6	0180590548	SC Pigtaills 6 PC X 1 Fibre 50µm (OM3) MM - 1.5M
91.30.832.00B00-6	0180590550	SC Pigtaills 6 PC X 1 Fibre 9µm (OS1/2) SM - 1.5M
91-BR0060M1-30-002	0180590524	SC Pigtaills, 6 Fibres, 62.5µm (OM1) MM - 2m
91.30.432.00B00-6	0180610110	SC Pigtaills 6 PC X 1 Fibre 50µm (OM4) MM - 1.5M
91.30.832.00B00-6	0180610109	SC Pigtaills 6 PC X 1 Fibre 50µm (OS2) SM - 1.5M
91-BR0060M4-30-002	Consult Molex	SC Pigtaills 6 Fibres 50µm (OM4) MM - 2M
91-BR0060S2-30-002	Consult Molex	SC Pigtaills 6 Fibres 50µm (OS2) SM - 2M
91-BR0120M4-30-002	Consult Molex	SC Pigtaills 12 Fibres 50µm (OM4) MM - 2M
91-BR0120S2-30-002	Consult Molex	SC Pigtaills 12 Fibres 50µm (OS2) SM - 2M
91-BR0060M2-30-002	0180590527	SC Pigtaills, 6 Fibres, 50µm (OM2) MM - 2m
91-BR0060M3-30-002	0180590530	SC Pigtaills, 6 Fibres, 50µm (OM3) MM - 2m
91-BR0060S2-30-002	0180590533	SC Pigtaills, 6 Fibres, (OS1/2) SM - 2m
91-BR0120M1-30-002	0180590536	SC Pigtaills, 12 Fibres, 62.5µm (OM1) MM - 2m
91-BR0120M2-30-002	0180590539	SC Pigtaills, 12 Fibres, 50µm (OM2) MM - 2m
91-BR0120M3-30-002	0180590542	SC Pigtaills, 12 Fibres, 50µm (OM3) MM - 2m

ST Pigtaills

Order No.	SAP No.	Description
91.10.631.00B00-6	180590363	ST Pigtail, 1 Fibre, 62.5µm (OM1) MM - 1m
91.10.531.00B00-6	180590547	ST Pigtail, 1 Fibre, 50µm (OM2) MM - 1m
91.10.331.00B00-6	Consult Molex	ST Pigtail, 1 Fibre, 50µm (OM3) MM - 1m
91.10.831.00B00-6	180590446	ST Pigtail, 1 Fibre, (OS1/2) SM - 1m
91-BR0060M1-10-002	180590523	ST Pigtail, 6 Fibres, 62.5µm (OM1) MM - 2m
91-BR0060M2-10-002	180590526	ST Pigtail, 6 Fibres, 50µm (OM2) MM - 2m
91-BR0060M3-10-002	180590529	ST Pigtail, 6 Fibres, 50µm (OM3) MM - 2m
91-BR0120M1-10-002	180590535	ST Pigtail, 12 Fibres, 62.5µm (OM1) MM - 2m
91-BR0120M2-10-002	180590538	ST Pigtail, 12 Fibres, 50µm (OM2) MM - 2m
91-BR0120M3-10-002	180590541	ST Pigtail, 12 Fibres, 50µm (OM3) MM -2m

Fibre Optic Solution Lightband™ 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.

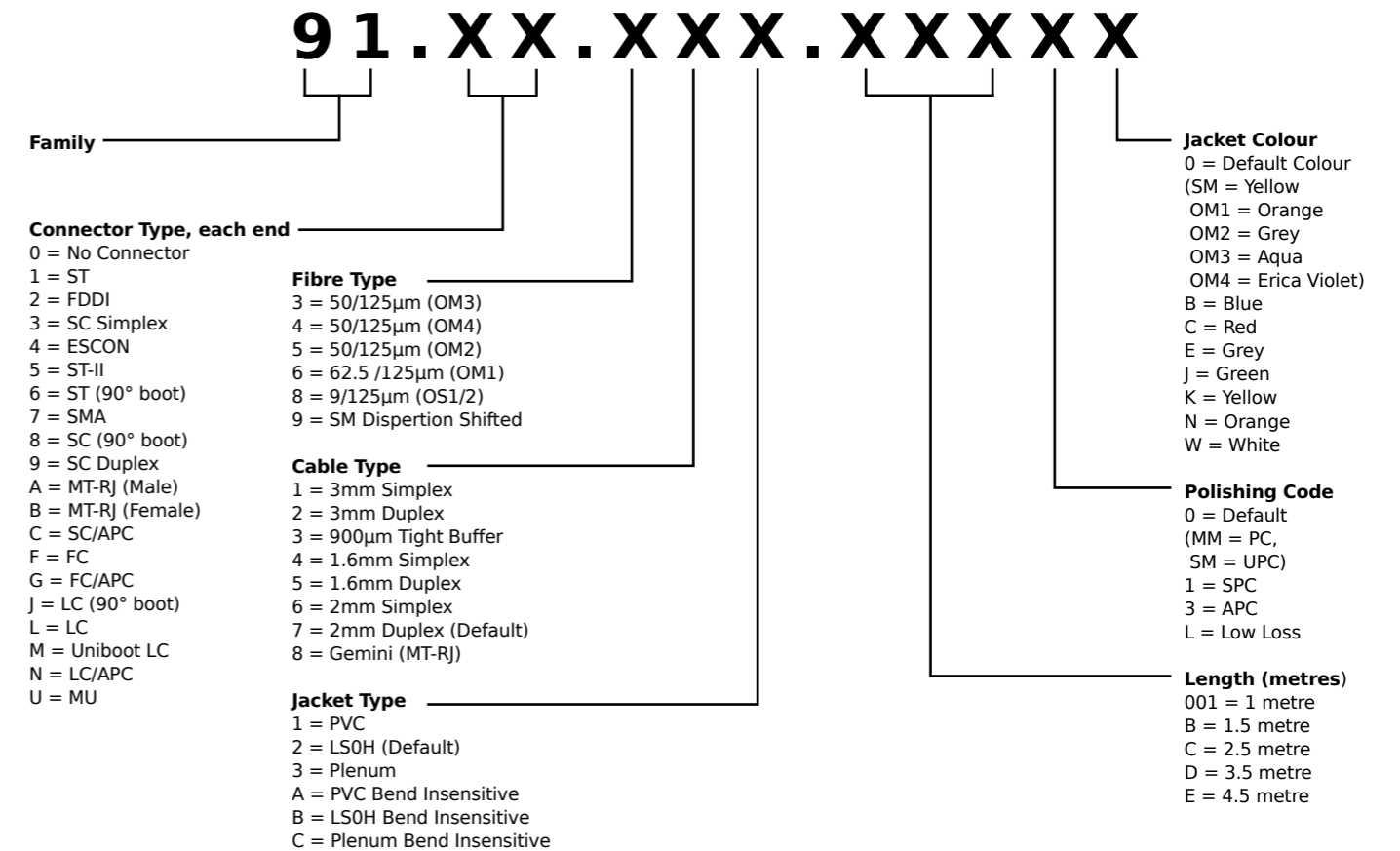


Fibre Optic Patch Cords

- Available in 50/125µm and 62.5/125µm MM and 9/125µm SM fibre versions
- Fibres compliant to ISO/IEC 11801 fibre specifications
- Standard or custom assemblies
- Precision ferrule endface geometry
- Wide variety of connector and cable types offered

- Controlled fibre protrusion
- Factory polished, tested and serialised
- RoHS Compliant
- Insertion Loss -
Singlemode: <0.35 dB per connector
Multimode: <0.5 dB per connector

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



For Example: To order a 1 metre Duplex 62.5/125µm (OM1) SC to ST Patch Cord, the part number would be 91.31.621.00100
Suffix "-I" indicates parts with MRP label.

Fibre Optic Solution Lightband™ Patch Cords & Pigtails



Secure Keyed LC Patch Cords

- Four Keyed/Colour coded connector combinations
- Available in duplex, Multimode and Singlemode formats
- All secure LC or hybrid secure/non secure constructions
- Standards compliant
- Pigtail constructions available for splicing applications
- 100% factory tested

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

SXX.XXX.XXX.XXXXX

Connector Type 1

S = Secure LC
Add colour below
BL = Blue
OR = Orange
GR = Green
RD = Red
YL = Yellow
AQ = Aqua
04 = Black Universal

Fiber Type

3 = 50/125µm (OM3)
4 = 50/125µm (OM4)
5 = 50/125µm (OM2)
6 = 62.5 /125µm (OM1)
8 = 9/125µm (OS1/2)

Cable Type

3 = 900µm Tight Buffer
4 = 1.6mm Simplex
5 = 1.6mm Duplex
7 = 2mm Duplex
1 = PVC
2 = LS0H (Default)
3 = OFNP Plenum

Jacket Colour

0 = Default Colour (OM1 & OM2 = Orange, SM = Yellow)
Special colours
N = Orange
E = Gray
K = Yellow
C = Red
J = Green
B = Blue
W = W

Polishing Code

0 = Default (MM = PC, SM = UPC)
1 = SPC
3 = APC

Length (metres)

XXX = In metres

Connector Type 2

S = Secure LC
Add colour for secure
X0 = No colour
XX1 = ST
XX8 = SC w/90° Boot
XX9 = SC Duplex
XXA = MT-RJ (m)
XXB = MT-RJ (f)
XXC = SC/APC
XXF = FC
XXG = FC/APC
XXJ = LC w/90° Boot
XXL = LC
XXU = MU

For Example: To order an LC Red -Secure LC Blue, OM3 2.0mm, Duplex Cable with LS0H Sheath 1 Meter, PC Polish (default) in Aqua (default), the part number would be SRD.SBL.372.00100

Fibre Optic Solution Lightband™ Patch Cords & Pigtails



LC Patch Cords

Order No.	SAP No.	Description
91.LL.672.00100	0180590229	LC Patch Cord, 62.5µm (OM1) MM, LS0H - 1m
91.LL.572.00100	0180590326	LC Patch Cord, 50µm (OM2) MM, LS0H - 1m
91.LL.372.00100	0180590391	LC Patch Cord, 50µm (OM3) MM, LS0H - 1m
91.LL.472.00100	0180591036	LC Patch Cord, 50µm (OM4) MM, LS0H - 1m
91.LL.872.00100	Consult Molex	LC Patch Cord, (OS1/2) SM, LS0H - 1m
91.LL.272.00100	0180591033	LC Patch Cord, (OS2) SM, LS0H - 1m
91.LL.672.00200	0180590121	LC Patch Cord, 62.5µm (OM1) MM, LS0H - 2m
91.LL.572.00200	0180590327	LC Patch Cord, 50µm (OM2) MM, LS0H - 2m
91.LL.372.00200	0180590392	LC Patch Cord, 50µm (OM3) MM, LS0H - 2m
91.LL.472.00200	0180591037	LC Patch Cord, 50µm (OM4) MM, LS0H - 2m
91.LL.872.00200	Consult Molex	LC Patch Cord, (OS1/2) SM, LS0H - 2m
91.LL.672.00500	0180590231	LC Patch Cord, 62.5µm (OM1) MM, LS0H - 5m
91.LL.572.00500	0180590330	LC Patch Cord, 50µm (OM2) MM, LS0H - 5m
91.LL.372.00500	0180590395	LC Patch Cord, 50µm (OM3) MM, LS0H - 5m
91.LL.472.00500	0180591038	LC Patch Cord, 50µm (OM4) MM, LS0H - 5m
91.LL.872.00500	0180590708	LC Patch Cord, (OS1/2) SM, LS0H - 5m

LC Bend Insensitive Patch Cords

Order No.	SAP No.	Description
91.LL.87B.00100	180591051	LC Patch Cord Bend Insensitive (OS1/2) SM, LS0H - 1m
91.LL.87B.00200	180591052	LC Patch Cord Bend Insensitive (OS1/2) SM, LS0H - 2m
91.LL.87B.00500	180591053	LC Patch Cord Bend Insensitive (OS1/2) SM, LS0H - 5m
91.LL.37B.00100	180591054	LC Patch Cord Bend Insensitive 50µm (OM3) MM, LS0H - 1m
91.LL.37B.00200	180591055	LC Patch Cord Bend Insensitive 50µm (OM3) MM, LS0H - 2m
91.LL.37B.00500	180591056	LC Patch Cord Bend Insensitive 50µm (OM3) MM, LS0H - 3m
91.LL.47B.00100	180591057	LC Patch Cord Bend Insensitive 50µm (OM4) MM, LS0H - 1m
91.LL.47B.00200	180591058	LC Patch Cord Bend Insensitive 50µm (OM4) MM, LS0H - 2m
91.LL.47B.00500	180591059	LC Patch Cord Bend Insensitive 50µm (OM4) MM, LS0H - 3m

SC Patch Cords

Order No.	SAP No.	Description
91.99.672.00100	0180590022	SC Patch Cord, 62.5µm (OM1) MM, LS0H - 1m
91.99.572.00100	0180590170	SC Patch Cord, 50µm (OM2) MM, LS0H - 1m
91.99.372.00100	Consult Molex	SC Patch Cord, 50µm (OM3) MM, LS0H - 1m
91.99.472.00100	0180591042	SC Patch Cord, 50µm (OM4) MM, LS0H - 1m
91.99.872.00100	0180590178	SC Patch Cord, (OS1/2) SM, LS0H - 1m
91.99.672.00200	0180590023	SC Patch Cord, 62.5µm (OM1) MM, LS0H - 2m
91.99.572.00200	0180590171	SC Patch Cord, 50µm (OM2) MM, LS0H - 2m
91.99.372.00200	0180590117	SC Patch Cord, 50µm (OM3) MM, LS0H - 2m
91.99.472.00200	0180591043	SC Patch Cord, 50µm (OM4) MM, LS0H - 2m
91.99.872.00200	0182080210	SC Patch Cord, (OS1/2) SM, LS0H - 2m
91.99.672.00500	0182080090	SC Patch Cord, 62.5µm (OM1) MM, LS0H - 5m
91.99.572.00500	0182080123	SC Patch Cord, 50µm (OM2) MM, LS0H - 5m
91.99.372.00500	0182080089	SC Patch Cord, 50µm (OM3) MM, LS0H - 5m
91.99.472.00500	0180591044	SC Patch Cord, 50µm (OM4) MM, LS0H - 5m
91.99.872.00500	0180590118	SC Patch Cord, (OS1/2) SM, LS0H - 5m

Fibre Optic Solution Lightband™ Patch Cords & Pigtailed



SC Bend Insensitive Patch Cords

Order No.	SAP No.	Description
91.99.87B.00100	Consult Molex	SC Patch Cord Bend Insensitive (OS1/2) SM, LS0H - 1m
91.99.87B.00200	Consult Molex	SC Patch Cord Bend Insensitive (OS1/2) SM, LS0H - 2m
91.99.87B.00500	Consult Molex	SC Patch Cord Bend Insensitive (OS1/2) SM, LS0H - 5m
91.99.37B.00100	Consult Molex	SC Patch Cord Bend Insensitive 50µm (OM3) MM, LS0H - 1m
91.99.37B.00200	Consult Molex	SC Patch Cord Bend Insensitive 50µm (OM3) MM, LS0H - 2m
91.99.37B.00500	Consult Molex	SC Patch Cord Bend Insensitive 50µm (OM3) MM, LS0H - 3m
91.99.47B.00100	Consult Molex	SC Patch Cord Bend Insensitive 50µm (OM4) MM, LS0H - 1m
91.99.47B.00200	Consult Molex	SC Patch Cord Bend Insensitive 50µm (OM4) MM, LS0H - 2m
91.99.47B.00500	Consult Molex	SC Patch Cord Bend Insensitive 50µm (OM4) MM, LS0H - 3m



90 Degree Boot Patch Cords

Order No.	SAP No.	Description
91.88.671.00100	Consult Molex	SC Patch Cord, 90 Degree Boot, 62.5µm (OM1) MM - 1m
91.88.571.00100	Consult Molex	SC Patch Cord, 90 Degree Boot, 50µm (OM2) MM - 1m
91.88.371.00100	Consult Molex	SC Patch Cord, 90 Degree Boot, 50µm (OM3) MM - 1m
91.88.821.00100	Consult Molex	SC Patch Cord, 90 Degree Boot, (OS1) SM - 1m
91.88.671.00200	Consult Molex	SC Patch Cord, 90 Degree Boot, 62.5µm (OM1) MM - 2m
91.88.571.00200	Consult Molex	SC Patch Cord, 90 Degree Boot, 50µm (OM2) MM - 2m
91.88.371.00200	Consult Molex	SC Patch Cord, 90 Degree Boot, 50µm (OM3) MM - 2m
91.88.821.00200	Consult Molex	SC Patch Cord, 90 Degree Boot, (OS1) SM - 2m
91.JJ.671.00100	Consult Molex	LC Patch Cord, 90 Degree Boot, 62.5µm (OM1) MM - 1m
91.JJ.571.00100	Consult Molex	LC Patch Cord, 90 Degree Boot, 50µm (OM2) MM - 1m
91.JJ.371.00100	Consult Molex	LC Patch Cord, 90 Degree Boot, 50µm (OM3) MM - 1m
91.JJ.821.00100	Consult Molex	LC Patch Cord, 90 Degree Boot, (OS1) SM - 1m
91.JJ.671.00200	Consult Molex	LC Patch Cord, 90 Degree Boot, 62.5µm (OM1) MM - 2m
91.JJ.571.00200	Consult Molex	LC Patch Cord, 90 Degree Boot, 50µm (OM2) MM - 2m
91.JJ.371.00200	Consult Molex	LC Patch Cord, 90 Degree Boot, 50µm (OM3) MM - 2m
91.JJ.821.00200	Consult Molex	LC Patch Cord, 90 Degree Boot, (OS1) SM - 2m

Fibre Optic Solution Lightband™ Oven Cure Connectors



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

SC Connectors

Molex's SC fibre connector has been designed to NTT-SC standards and is completely compatible with other SC hardware. This design, which provides non-optical disconnect terminations is a push pull coupling mechanism, has been tested to the rigorous Bellcore 326 standards. Because of its versatility, this connector is well suited for telecommunication, CATV and datacom applications

- RoHS Compliant
- Available in Multimode and Singlemode versions
- Easy to assemble one piece SC connector body
- Meets TIA/EIA 568-B.3 and IEC 874.19 standards
- Low insertion loss : <0.15dB typ. SM <0.34dB typ. MM
- Available in versions to suit 900µm and 3.0mm cables

Order No.	SAP No.	Description
18262-0031	182620031	SC Singlemode Duplex 2mm Connector - Blue Boot
18262-0032	182620032	SC Multimode Duplex 2mm Connector - Beige Boot
18262-0033	182620033	SC Multimode 900µm Connector kit - Beige Boot
18262-0043	182620043	SC Singlemode 900µm Connector kit - Blue Boot
18262-0045	182620045	SC Singlemode Angle Polish Duplex 2mm Connector - Green Boot
18262-0046	182620046	SC Multimode Angle Polish Duplex 900µm Connector - Green Boot

LC Connectors

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

Connectors accommodate 900µm buffered fibre and 1.6mm and 2.4mm jacketed cable. Its six position tuning feature enables unprecedented insertion loss performance by optimising the alignment of the fibre cores.

- RoHS Compliant
- Available in Multimode and Singlemode versions
- Small footprint
- Tunable - Optimises insertion loss performance
- GR 326 and IEC 874 tested

Order No.	SAP No.	Description
18262-0034	182620034	LC Multimode 900µm Connector kit - White Boot
18262-0035	182620035	LC Multimode Duplex 2mm Connector kit - White Boot
18262-0041	182620041	LC Singlemode 900µm Connector kit - White Boot
18262-0042	182620042	LC Singlemode Duplex 2mm Connector kit - Blue Boot

ST Connectors

The ST series of fibre connectors are specially designed for distribution applications and are compatible with existing ST type hardware. The screw on captivation mechanism in the long boot style provides excellent Kevlar retention without the expense and inconvenience of crimp tools.

- RoHS Compliant
- Available in Multimode and Singlemode versions
- Low insertion loss : <0.15dB typ. SM <0.34dB typ. MM
- Standard crimp & crimpless screw type Kevlar retention
- Variety of connector styles: long boot, short boot, 90° boot and 900µm buffered fibre

Order No.	SAP No.	Description
18262-0036	182620036	ST Multimode 2mm Connector kit - Black Boot
18262-0037	182620037	ST Multimode 2mm Connector kit - Red Boot
18262-0047	182620047	ST Multimode 3mm Connector kit - Black Boot
18262-0048	182620048	ST Multimode 3mm Connector kit - Red Boot
18262-0038	182620038	ST Multimode 900µm Connector kit - Black Boot
18262-0040	182620040	ST Singlemode 2mm Connector kit - Yellow Boot
18262-0049	182620049	ST Singlemode 3mm Connector kit - Yellow Boot
18262-0039	182620039	ST Singlemode 900µm Connector kit - Blue Boot

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Fibre Optic Solution Lightband™ Oven Cure Connectors



FC Connectors

FC connectors are specifically designed for telecommunication applications. Designed to NTT-FC standards and provides true non-optical disconnect performance. LC connectors support both singlemode and multimode applications and have a pre-assembled design and provide economical terminations both in factory and in-the-field.

- RoHS Compliant
- Designed to NTT-FC standards
- Available in Singlemode & Multimode versions
- Pre-polished ceramic ferrules
- Low insertion loss : <0.15dB typ. SM <0.34dB typ. MM

Order No.	SAP No.	Description
106053-0500	1060530500	FC Connector, Multimode, Zirconia PC Ferrule, Buffered Fibre
106053-3000	1060533000	FC Connector, Multimode, Zirconia PC Ferrule, 3.0mm
106053-5000	1060535000	FC Connector, Singlemode, Zirconia PC Ferrule, 3.0mm
106053-5500	1060535500	FC Connector, Singlemode, Zirconia PC Ferrule, Buffered Fibre
106055-5000	1060555000	FC/APC Connector, SM, 126µm, Zirconia APC Ferrule, 3.0mm, Tight Fit Key
106055-5500	1060555500	FC/APC Connector, SM, 126µm, Zirconia APC Ferrule, 900µm, Tight Fit Key
106056-5000	1060565000	FC/APC Connector, SM, 126µm, Zirconia APC Ferrule, 3.0mm, Standard Key
106056-5500	1060565500	FC/APC Connector, SM, 126µm, Zirconia APC Ferrule, 900µm, Standard Key

ESCON & FDDI Connectors

ESCON Connectors are designed using the latest engineered polymer and ceramic materials featuring pre-polished zirconia ceramic PC ferrules and a rugged polymer housing.

- RoHS Compliant
- Compatible with IBM ESCON architecture
- Compatible with ANSI FDDI standard
- Available in Multimode versions
- Low Insertion Loss : < 0.15dB typ.

FDDI connectors utilise pre-polished and pre-radiused ferrules, and produce quick and consistent FDDI terminations.



Order No.	SAP No.	Description
106030-0200	1060300200	FDDI Connector, Multimode, 127µm, Zirconia PC Ferrule, Zipcord
106030-0300	1060300300	FDDI Connector, Multimode, 127µm, Zirconia PC Ferrule, 4.8mm
106040-0100	1060400100	ESCON Connector, Multimode, 127µm, Zirconia PC Ferrule, 4.8mm
106040-0200	1060400200	ESCON Connector, Multimode, 127µm, Zirconia PC Ferrule, Zipcord

Oven Cure Consumable Kit

- Oven Cure Consumable kit includes;
 - Cable Preparation Template
 - Lens Cleaning Tissue
 - Epoxy Packs
 - 0.5, 1 & 5 Micron Lapping Film
 - Syringes
 - Needles

- The Oven Cure Consumable Kit requires a Curing Oven
- 5 minute curing period



Order No.	SAP No.	Description
86710-5000	867105000	Oven Cure Consumable Kit

Fibre Optic Solution Lightband™ Field Terminable Connectors

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



Xpress G2 Pre-Polished Pre-Assembled Connectors

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 & 200µm format

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

Keyed LC Connectors

Molex Keyed LC Connectors used in connection with the Keyed LC Adapters, provide mechanical security and prevent inadvertent cross connection while allowing for high density layouts without performance compromise.

- Seven keyed colour connector combinations
- Small form factor
- RJ45 friendly
- Multiple formats available



Order No.	SAP No.	Description
106021-0100	1060210100	Red Keyed LC Duplex Connector SM
106021-0101	1060210101	Red Keyed LC Duplex Connector MM
106021-0130	1060210130	Red Keyed LC Duplex Connector Bare Fib, SM
106021-0131	1060210131	Red Keyed LC Duplex Connector Bare Fib, MM
106021-0200	1060210200	Yellow Keyed LC Duplex Connector SM
106021-0201	1060210201	Yellow Keyed LC Duplex Connector MM
106021-0230	1060210230	Yellow Keyed LC Duplex Connector Bare Fib, SM
106021-0231	1060210231	Yellow Keyed LC Duplex Connector Bare Fib, MM
106021-0300	1060210300	Green Keyed LC Duplex Connector SM
106021-0301	1060210301	Green Keyed LC Duplex Connector MM
106021-0330	1060210330	Green Keyed LC Duplex Connector Bare Fib, SM
106021-0331	1060210331	Green Keyed LC Duplex Connector Bare Fib, MM
106021-0400	1060210400	Blue Keyed LC Duplex Connector SM
106021-0401	1060210401	Blue Keyed LC Duplex Connector MM
106021-0430	1060210430	Blue Keyed LC Duplex Connector Bare Fib, SM
106021-0431	1060210431	Blue Keyed LC Duplex Connector Bare Fib, MM
106021-0500	1060210500	Orange Keyed LC Duplex Connector SM
106021-0501	1060210501	Orange Keyed LC Duplex Connector MM
106021-0530	1060210530	Orange Keyed LC Duplex Connector Bare Fib, SM
106021-0531	1060210531	Orange Keyed LC Duplex Connector Bare Fib, MM
106021-0600	1060210600	Aqua Keyed LC Duplex Connector SM
106021-0601	1060210601	Aqua Keyed LC Duplex Connector MM
106021-0630	1060210630	Aqua Keyed LC Duplex Connector Bare Fib, SM
106021-0631	1060210631	Aqua Keyed LC Duplex Connector Bare Fib, MM
106021-0700	1060210700	Black Universal Keyed LC Duplex Connector SM
106021-0701	1060210701	Black Universal Keyed LC Duplex Connector MM
106021-0730	1060210730	Black Universal Keyed LC Duplex Connector Bare Fib, SM
106021-0731	1060210731	Black Universal Keyed LC Duplex Connector Bare Fib, MM

Fibre Optic Solution Lightband™ Connector Cleaners



MPO/MTP Cleaner

The MPO/MTP cleaner has been specifically designed for use with multi-fibre connectors. The cleaner removes debris from the entire end-face in a single action.

- Easy pushing motion engages connector and initiates cleaner
- Disposable - 525+ cleaning cycles per unit
- Made from anti-static resins
- Cleaning micro fibres are densely stranded and debris free
- Cleaner rotates 180 degrees for full sweep
- Audible click when engaged

Order No.	SAP No.	Description
AFR-00427	182680008	MPO/MTP Cleaner



SC Connector Cleaner

The SC connector cleaner has been specifically designed for use with SC/ST/FC connectors. The cleaner removes debris from the entire end-face in a single action.

- Easy pushing motion engages connector and initiates cleaner
- Disposable - 525+ cleaning cycles per unit
- Made from anti-static resins
- Cleaning micro fibres are densely stranded and debris free
- Cleaner rotates 180 degrees for full sweep
- Audible click when engaged

Order No.	SAP No.	Description
AFR-00429	182680010	SC Connector Cleaner



LC Connector Cleaner

The LC Connector cleaner has been specifically designed for use with LC connectors. The cleaner removes debris from the entire end-face in a single action.

- Easy pushing motion engages connector and initiates cleaner
- Disposable - 525+ cleaning cycles per unit
- Made from anti-static resins
- Cleaning micro fibres are densely stranded and debris free
- Cleaner rotates 180 degrees for full sweep
- Audible click when engaged

Order No.	SAP No.	Description
AFR-00428	182680009	LC Connector Cleaner

Fibre Optic Solution Lightband™ Adapters



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

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

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
106167-0510A	Consult Molex	SC/SC Duplex MM Phosphor Bronze Flange Mount Shuttered - Beige
106167-0610	Consult Molex	SC/SC Duplex MM Phosphor Bronze Snap Mount Shuttered - Beige
106166-0500A	Consult Molex	SC/SC Duplex SM Zirconia Flange Mount Shuttered - Blue
106166-0600	Consult Molex	SC/SC Duplex SM Zirconia Snap Mount Shuttered - Blue
106167-0410	Consult Molex	SC/SC Duplex MM Phosphor Bronze Flange Mount Shuttered - Aqua
106167-0620	Consult Molex	SC/SC Duplex MM Phosphor Bronze Snap Shuttered - Aqua
106166-0200	Consult Molex	SC Duplex Adapter Shutter - Blue
106166-0210	Consult Molex	SC Duplex Adapter Shutter - Beige



Duplex SC/ST Adapters

Duplex SC/ST 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
- Unique shuttered feature protects from harmful light emissions - Available upon application



Order No.	SAP No.	Description
106167-1000	1061671000	SC/ST Duplex, Singlemode, Phosphor Bronze, Flange Mount
106167-1010	1061671010	SC/ST Duplex, Multimode, Phosphor Bronze, Flange Mount
106167-1100	1061671100	SC/ST Duplex, Singlemode, Phosphor Bronze, Snap Mount
106167-1110	1061671110	SC/ST Duplex, Multimode, Phosphor Bronze, Snap Mount
106167-1500	1061671500	SC/ST Shuttered Duplex, Singlemode, Phosphor Bronze, Flange Mount
106167-1510	1061671510	SC/ST Shuttered Duplex, Multimode, Phosphor Bronze, Flange Mount
106167-1600	1061671600	SC/ST Shuttered Duplex, Singlemode, Phosphor Bronze, Snap Mount
106167-1610	1061671610	SC/ST Shuttered Duplex, Multimode, Phosphor Bronze, Snap Mount

Fibre Optic Solution Lightband™ Adapters



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

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
106166-0550	Consult Molex	SC/SC APC Duplex SM Zirconia Flange Mount Shuttered - Green
106166-0650	Consult Molex	SC/SC APC Duplex SM Zirconia Snap Mount Shuttered - Green

LC Adapters

The LC connector is the result of increased demands for smaller easier-to-use fibre connectivity. The LC connector 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
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

Fibre Optic Solution Lightband™ Adapters



Quad LC Adapters

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

- RoHS Compliant
- Ceramic or Phosphor Bronze alignment sleeves
- Unique shuttered feature protects from harmful light emissions - Available upon application

Order No.	SAP No.	Description
106123-1200	Consult Molex	LC Shuttered Quad, Phosphor Bronze Alignment Sleeve, Flange Mount - Beige
106123-1400	Consult Molex	LC Shuttered Quad, Phosphor Bronze Alignment Sleeve, Snap Mount - Beige
106123-3200	Consult Molex	LC Shuttered Quad, Phosphor Bronze Alignment Sleeve, Flange Mount - Aqua
106123-3400	Consult Molex	LC Shuttered Quad, Phosphor Bronze Alignment Sleeve, Snap Mount - Aqua
106123-0200	Consult Molex	LC Shuttered Quad, Zirconia Alignment Sleeve, Flange Mount - Blue
106123-0400	Consult Molex	LC Shuttered Quad, Zirconia Alignment Sleeve, Snap Mount - Blue
18282-0049	182820049	LC Quad, Phosphor Bronze Alignment Sleeve, Flange Mount - Beige
18282-0050	182820050	LC Quad, Phosphor Bronze Alignment Sleeve, Snap Mount - Beige
18282-0051	182820051	LC Quad, Phosphor Bronze Alignment Sleeve, Flange Mount - Aqua
18282-0052	182820052	LC Quad, Phosphor Bronze Alignment Sleeve, Snap Mount - Aqua
18282-0053	182820053	LC Quad, Zirconia Alignment Sleeve, Flange Mount - Blue
18282-0054	182820054	LC Quad, Zirconia Alignment Sleeve, Snap Mount - Blue

Quad LC/APC Adapters

Designed for high-density applications, the Quad LC/APC adapter provides a 4-position LC adapter solution in a traditional Duplex SC footprint and are designed for use with Angled Polish Connectors.

- RoHS Compliant
- Ceramic or Phosphor Bronze alignment sleeves
- Unique shuttered feature protects from harmful light emissions - Available upon application



Order No.	SAP No.	Description
106123-2200	Consult Molex	LC/APC Shuttered Quad, Zirconia Alignment Sleeve, Flange Mount - Green
106123-2400	Consult Molex	LC/APC Shuttered Quad, Zirconia Alignment Sleeve, Snap Mount - Green
18282-0055	182820055	LC/APC Quad, Zirconia Alignment Sleeve, Flange Mount - Green
18282-0056	182820056	LC/APC Quad, Zirconia Alignment Sleeve, Snap Mount - Green

Keyed LC Adapters

Keyed LC Adapters used in conjunction with the Keyed LC Connectors provides mechanical security and prevent inadvertent cross connection while allowing for high density layouts without performance compromise.

- Seven keyed/colour coded connector combinations
- Small footprint
- Zirconia sleeve
- Singlemode and multimode use
- RoHS compliant



Order No.	SAP No.	Description
106021-1100	1060211100	Red Keyed LC Duplex Adapter, zirconia sleeve
106021-1200	1060211200	Yellow Keyed LC Duplex Adapter, zirconia sleeve
106021-1300	1060211300	Green Keyed LC Duplex Adapter, zirconia sleeve
106021-1400	1060211400	Blue Keyed LC Duplex Adapter, zirconia sleeve
106021-1500	1060211500	Orange Keyed LC Duplex Adapter, zirconia sleeve
106021-1600	1060211600	Aqua Keyed LC Duplex Adapter, zirconia sleeve
106021-1700	1060211700	Black Keyed LC Duplex Adapter, zirconia sleeve

Fibre Optic Solution Lightband™ Adapters



ST Adapters

A broad range of singlemode and multimode adapters are available to accommodate ST and ST II connectors. Metallic or polymer versions are available with either precise zirconia ceramic, rugged phosphor bronze or cost-effective polymer alignment sleeves.

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

Order No.	SAP No.	Description
106110-0000	1061100000	ST/ST Adapter, Singlemode, Polymer Body, Zirconia Alignment
106110-1000	1061101000	ST/ST Adapter, Singlemode, Metal Body, Zirconia Alignment
106112-0000	1061120000	ST/ST Adapter, Multimode, Polymer Body, Phosphor Bronze Alignment
106112-1000	1061121000	ST/ST Adapter, Multimode, Metal Body, Phosphor Bronze Alignment
106113-0000	1061130000	ST/ST Adapter, Multimode, Polymer Body, Polymer Alignment Sleeve
106113-1000	1061131000	ST/ST Adapter, Multimode, Metal Body, Polymer Alignment Sleeve
106172-0000	1061720000	ST/FC Adapter, Singlemode/Multimode, Metal Body, Zirconia Alignment

MT-RJ Adapter

Occupying approximately the same space as a simplex SC adapter, the MT-RJ Adapter is a feed through adapter that connects the male and female MT-RJ Connector to give a stable and reliable connection.

- RoHS compliant
- Small footprint
- Polarised connection keeps correct fibres aligned



Order No.	SAP No.	Description
AFR-00126	181190020	MT-RJ Adapter, Singlemode/Multimode, Flange Mount

FC Adapters

FC adapters combine a metal housing and either a precision zirconia or a rugged phosphor bronze sleeve. Flange mount or "D" hole mount adapter styles are available.

- RoHS Compliant
- Designed to NTT-FC standards
- Flange mount and "D" hole mount styles available



Order No.	SAP No.	Description
106152-0100	1061520100	FC Adapter, Zirconia Alignment, Flange Mount
106152-1000	1061521000	FC Adapter, Zirconia Alignment, "D" Hole Mount
106152-2000	1061522000	FC/APC Adapter, Zirconia Alignment, Flange Mount
106152-3000	1061523000	FC/APC Adapter, Zirconia Alignment, "D" Hole Mount
106156-0100	1061560100	FC Adapter, Phosphor Bronze Alignment, Flange Mount
106156-1000	1061561000	FC Adapter, Phosphor Bronze Alignment, "D" Hole Mount
106172-0000	1061720000	FC-ST Adapter, Zirconia Alignment, Flange Mount

Fibre Optic Solution Lightband™ Adapters



ESCON Adapters

ESCON adapters are available in either flange or snap-in mounting styles. All are made of strong and durable engineering polymers and have either a precision zirconia ceramic or polymer alignment sleeves.

- RoHS Compliant
- Compatible with IBM ESCON architecture
- Flange and Snap mount versions available
- Zirconia Ceramic or Polymer Alignment sleeve

Order No.	SAP No.	Description
106140-0000	1061400000	ESCON-ST Adapter, Zirconia Ceramic Alignment, Snap Mount
106140-0300	1061400300	ESCON-ST Adapter, Zirconia Ceramic Alignment, Flange Mount
106140-2300	1061402300	ESCON-ESCON Adapter, Zirconia Ceramic Alignment, Flange Mount
106140-2400	1061402400	ESCON-ESCON Adapter, Zirconia Ceramic Alignment, Snap Mount
106142-2300	1061422300	ESCON-ESCON Adapter, Phosphor Bronze, Flange Mount
106142-2400	1061422400	ESCON-ESCON Adapter, Phosphor Bronze, Snap Mount
106143-0000	1061430000	ESCON-ST Adapter, Polymer Alignment, Snap Mount
106143-0300	1061430300	ESCON-ST Adapter, Polymer Alignment, Flange Mount

FDDI Adapters

FDDI adapters are available in either flange or snap-in mounting styles. All are made of strong and durable engineering polymers and have either a precision zirconia ceramic or polymer alignment sleeves.

- RoHS Compliant
- Compatible with ANSI FDDI standard
- Flange and Snap mount versions available
- Zirconia Ceramic or Polymer Alignment sleeve



Order No.	SAP No.	Description
106130-0500	1061300500	FDDI-ST Adapter, Zirconia Alignment, Snap Mount, Removable Keys
106130-0600	1061300600	FDDI-ST Adapter, Zirconia Alignment, Flange Mount, Removable Keys
106133-0500	1061330500	FDDI-ST Adapter, Polymer Alignment, Snap Mount, Removable Keys
106133-0600	1061330600	FDDI-ST Adapter, Polymer Alignment, Flange Mount, Removable Keys

Optical Fibre Solution Lightband™ Rack Mount Solutions

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

1U Multi-Function Fibre Enclosure

The 1U Multi-Function Fibre Enclosure is a configurable rack mount unit for storing and terminating incoming fibre cable. The fibre 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 fibres. The enclosure incorporates a heavy duty ball bearing slide mechanism, allowing easy access to fibres. 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 fibre connections per cassette with various interfacing adapters
- Accommodates up to 4 Modular Splice Cassettes, which allows 6-24 fibre connections per cassette. The splice cassettes allow for splice termination while protecting individual fibres
- Compatible with preloaded adapter plates in various fibre counts and adapter configurations
- Self-Adhesive fibre management hub is stackable and can be segmented providing individualisation of fibre routing
- Optional 24 fibre splice tray available to maximise port capacity while providing fibre management for excess fibre
- Optional front cable management allows for secure routing of patch cords and can be retrofitted
- Optional locking kits provide security
- Compatible with Molex's 6 Fibre Adapter plates that allow 6-24 fibre connections per plate, 72 Fibre MTP connections and 3 x DataGate Copper/Synergy connections per plate
- Rugged steel construction in graphite finish
- Compatible with Molex 3 x DataGate Jack UTP or C6A Adapter Plate for Multimedia applications

Order No.	SAP No.	Description
RFR-00311	Consult Molex	1U Multi-Function Fibre Enclosure
Optional Enhancements		
RFR-00312	180370278	Locking Front Assembly
AFR-00471	180600218	Front Cable Management Extension

Adapter Plates

Loaded	SAP No.	Unloaded	SAP No.	Description
AFR-00452-BL	180600187	AFR-00476	180600223	SC Simplex 24 Fibre Adapter Plate, Unshuttered, Singlemode - Blue
AFR-00452-GR	180600188	AFR-00476	180600223	SC Simplex 24 Fibre Adapter Plate, Unshuttered, Singlemode - Green
AFR-00453-BG	180600189	AFR-00476	180600223	SC Simplex 24 Fibre Adapter Plate, Unshuttered, Multimode - Beige
AFR-00453-AQ	180600190	AFR-00476	180600223	SC Simplex 24 Fibre Adapter Plate, Unshuttered, Multimode - Aqua
AFR-00456-BL	180600195	AFR-00478	180600225	SC Duplex 48 Fibre Adapter Plate, Unshuttered, Singlemode - Blue
AFR-00456-GR	180600196	AFR-00478	180600225	SC Duplex 48 Fibre Adapter Plate, Unshuttered, Singlemode - Green
AFR-00457-BG	180600197	AFR-00478	180600225	SC Duplex 48 Fibre Adapter Plate, Unshuttered, Multimode - Beige
AFR-00457-AQ	180600198	AFR-00478	180600225	SC Duplex 48 Fibre Adapter Plate, Unshuttered, Multimode - Aqua
AFR-00460-BL	180600203	AFR-00480	180600225	SC Duplex 24 Fibre Adapter Plate, Unshuttered, Singlemode - Blue
AFR-00460-GR	180600204	AFR-00480	180600225	SC Duplex 24 Fibre Adapter Plate, Unshuttered, Singlemode - Green
AFR-00461-BG	180600205	AFR-00480	180600225	SC Duplex 24 Fibre Adapter Plate, Unshuttered, Multimode - Beige
AFR-00461-AQ	180600206	AFR-00480	180600225	SC Duplex 24 Fibre Adapter Plate, Unshuttered, Multimode - Aqua
AFR-00454-BL	180600191	AFR-00477	180600224	LC Duplex 48 Fibre Adapter Plate, Unshuttered, Singlemode - Blue
AFR-00454-GR	180600192	AFR-00477	180600224	LC Duplex 48 Fibre Adapter Plate, Unshuttered, Singlemode - Green
AFR-00455-BG	180600193	AFR-00477	180600224	LC Duplex 48 Fibre Adapter Plate, Unshuttered, Multimode - Beige
AFR-00455-AQ	180600194	AFR-00477	180600224	LC Duplex 48 Fibre Adapter Plate, Unshuttered, Multimode - Aqua
AFR-00462-BL	180600207	AFR-00481	180600228	Quad LC 48 Fibre Adapter Plate, Unshuttered, Singlemode - Blue
AFR-00462-GR	180600208	AFR-00481	180600228	Quad LC 48 Fibre Adapter Plate, Unshuttered, Singlemode - Green
AFR-00463-BG	180600209	AFR-00481	180600228	Quad LC 48 Fibre Adapter Plate, Unshuttered, Multimode - Beige
AFR-00463-AQ	180600210	AFR-00481	180600228	Quad LC 48 Fibre Adapter Plate, Unshuttered, Multimode - Aqua
AFR-00458-BL	180600199	AFR-00479	180600226	Quad LC 96 Fibre Adapter Plate, Unshuttered, Singlemode - Blue
AFR-00458-GR	180600200	AFR-00479	180600226	Quad LC 96 Fibre Adapter Plate, Unshuttered, Singlemode - Green
AFR-00459-BG	180600201	AFR-00479	180600226	Quad LC 96 Fibre Adapter Plate, Unshuttered, Multimode - Beige
AFR-00459-AQ	180600202	AFR-00479	180600226	Quad LC 96 Fibre Adapter Plate, Unshuttered, Multimode - Aqua
AFR-00464	180600211	-	-	FC Simplex 24 Fibre Adapter Plate, Singlemode
AFR-00465	180600212	-	-	FC Simplex 24 Fibre Adapter Plate, Multimode
AFR-00466	180600213	-	-	ST Simplex 24 Fibre Adapter Plate, Singlemode
AFR-00467	180600214	-	-	ST Simplex 24 Fibre Adapter Plate, Multimode
-	-	AFR-00468	180600215	Adapter Plate/ MTP (Cassette 4 x Adapter Plates or ModLink Cassettes)

Optical Fibre Solution Lightband™ Rack Mount Solutions

1U Multi-Function Fibre Enclosure

Accessories



Order No.	SAP No.	Description
AFR-00470	180600217	Universal Splice Tray, 24 Fibre with built in Cable Management, 1U Global Enclosure (Self Adhesive, 1 pc)
AFR-00472	180600219	Self Adhesive Cable Management Hub (1 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)

Specification Grade Fibre Enclosures

Specification Grade Fibre Optic Enclosures are configurable rack mount units used for storing and terminating incoming fibre cable. Designed to accommodate both the needs of the installer for the initial assembly and the end user for access, maintenance and fibre protection. Great care has gone into the design to protect fibre 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 Fibre Enclosure - accommodates up to 4 6, 12 or 24 fibre plates, 4 ModLink™ Cassettes & 2 Splice Trays
- 2U Fibre Enclosure - accommodates up to 8 6, 12 or 24 fibre plates, 8 ModLink™ Cassettes & 8 Splice Trays
- 4U Fibre Enclosure - accommodates up to 24 6, 12 or 24 fibre plates, 24 ModLink™ Cassettes & 12 Splice Trays



Order No.	SAP No.	Description
RFR-00201	180370259	24-48 Port Specification Grade Fibre Enclosure - 1U
RFR-00202	180370260	48-96 Port Specification Grade Fibre Enclosure - 2U
RFR-00204	180660016	144-288 Port Specification Grade Fibre Enclosure - 4U
RFR-00302	180660046	1U security kit for use with RFR-00201
RFR-00303	180660047	2U security kit for use with RFR-00202
AFR-00222	180600069	Universal Splice Tray Carrier Kit
Accessories		
AFR-00222L	Consult Molex	Universal Splice Tray Mounting Bracket

Optical Fibre Solution Lightband™ Rack Mount Solutions



601 Fibre Enclosure

The 601 Fibre series wall mount system interface products are compact units for fibre optics. Available in ST, Duplex SC and LC versions they provide either 6, 8 or 12 fibre ports. The 601 fibre enclosure has a low profile design and provides the proper internal fibre 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 fibre versions
- Available in ST, Duplex SC & LC versions
- Accepts up to 8 fusion or mechanical splices
- Top, bottom and rear access

Order No.	SAP No.	Description
WFR-00009-02	180080017	6 Port ST 601 Enclosure - Unloaded
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-00024-02	180970012	8 Port ST 601 Enclosure - Unloaded
WFR-00025-02	180970013	8 Port ST 601 Enclosure, Multimode
WFR-00026-02	180970014	8 Port ST 601 Enclosure, Singlemode
WFR-00027-02	180970015	8 Port Duplex SC 601 Enclosure - Unloaded
WFR-00028-02	180970016	8 Port Duplex SC 601 Enclosure, Multimode
WFR-00029-02	180970017	8 Port Duplex SC 601 Enclosure, Singlemode
WFR-00030-02	180970007	12 Port MT-RJ 601 Enclosure - Unloaded
WFR-00031-02	180970008	12 Port MT-RJ 601 Enclosure, Singlemode/Multimode
WFR-00033-02	180970078	12 Port LC 601 Enclosure - Unloaded
WFR-00034-02	180970073	12 Port LC 601 Enclosure, Multimode
WFR-00035-02	180970080	12 Port LC 601 Enclosure, Singlemode

LI-24

The LI-24 is a convenient wall mount cabinet for terminating and protecting up to 24 optical fibres in very little space. It accepts up to four 6-Pak Adapter Plates, providing a configurable unit for a variety of connector types.

- Up to 24 Ports
- RoHS Compliant
- Configurable using 6-Pak Plates/Angled 6-Pak Plates

The LI-24 is constructed of heavy gauge steel with a graphite grey powder coat finish. Optional clear Lexan patch cord protection shield is also available.

Order No.	SAP No.	Description
15.B016G	180280004	LI-24 - Graphite Grey
30.B0330	180280009	Patch Cord Protection Shield

Optical Fibre Solution Lightband™ Management Systems Rack Mount Solutions

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



24 Port Configurable Fibre Drawer

The Molex 24 Port Configurable Fibre drawer is a 1U rack mount unit for storing and terminating incoming fibre cable. Designed with a sliding door for easy fibre access each drawer accommodates our vast range of 6-Pak Plates, enabling the user to configure their fibre system to suit all fibre applications. A lockable version is available for installations where security is paramount.

- 1U Standard 19" rack mount
- Configurable, fits up to four 6-Pak Plates/Angled 6-Pak Plates
- Management rings within enclosure to accommodate excess fibre cordage behind the through adapters and maintain fibre bend radius
- Accommodates Singlemode and Multimode fibres
- Adhesive labelling for port identification
- Sliding drawer for ease of re-configuring fibres
- Accommodates 2 x 12 fibre Splice Trays
- RoHS Compliant

Order No.	SAP No.	Description
RFR-00082	180370098	24 Port Configurable Fibre Sliding Drawer - Unloaded
17.B155G	180080015	24 Port Configurable Fibre Sliding Drawer-Lockable - Unloaded

Suffix "-I" indicates parts with MRP label.

Swing-out Fibre Panel Chassis

The Swing-Out Patch Panel is a light-weight, robust fibre optic patch panel that offers an economic alternative to metal fibre enclosures. Designed for the installation of up to 48 standard optic fibres, the lower tray pivots enabling access to the pre-formed fibre and splice management areas for easy cable dressing and installation. The panel is fully configurable with Molex's range of factory assembled interchangeable front plates.



- 1U Standard 19" rack mount
- Manufactured from high-strength, light-weight UL94 V-0 rated material
- Accommodates interchangeable front plates that are fully loaded with adapters
- All fibres positively managed to 30mm minimum bend radius
- Bottom half of panel pivots out for access to splice tray and pigtail routing area
- No additional cable management accessories required
- Stackable splice bay allows for easy upgrade of splicing capacity
- RoHS Compliant

Order No.	SAP No.	Description
RFR-00205	180660017	Swing-out Fibre Panel Chassis, 1U - Unloaded
KFR-00037	182680002	Bend Limiting Tube 435mm (pack of 20)
KFR-00038	182680003	Front Plate Labels (pack of 20)

Optical Fibre Solution Lightband™ Management Systems Rack Mount Solutions



WR12 Fixed Fibre Enclosures

The WR12 range of fibre enclosures can be used for wall mount (isolated) or rack mount (integrated) applications. The enclosures can be mounted flush or recessed in 19" cabinet/wall rack accommodation, allow rear, side and base access for Incoming/Outgoing cables and have internal management rings maintain fibre bend radius.

- Standard 19" rack mount
- Wall mountable with either left or right vertical presentation of fibre through adapters
- Removable lid also affords protection to the interfacing patch cords (Lid is fixed with screws)
- Designed to accommodate ST, Simplex SC, Duplex SC, MT-RJ & LC adapters

Order No.	SAP No.	Description
17.C101G	180100001	WR12 Fibre Enclosure, ST Aperture - Unloaded
17.C102G	180100002	WR12 Fibre Enclosure, Duplex SC Aperture - Unloaded
RFR-00076	182080003	WR12 Fibre Enclosure, MT-RJ Aperture - Unloaded
RFR-00176	180370251	WR12 Fibre Enclosure, Simplex SC/LC Aperture - Unloaded
Accessories		
17.C103G	180100003	WR12 Blank Fascia
17.C104G	180100004	WR12 Rack Mount Ears
AFR-00174	180600091	Duplex SC Blank, Kit of 3 - Black
AFR-00175	Consult Molex	ST Blank, Kit of 6 - Black

Suffix "-I" indicates parts with MRP label.



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WR24 Fixed Fibre Enclosures

The WR24 range of fibre enclosures can be used for wall mount (isolated) or rack mount (integrated) applications. The enclosures can be mounted flush or recessed in 19" cabinet/wall rack accommodation, allow rear, side and base access for Incoming/Outgoing cables and have internal management rings maintain fibre bend radius.

- Standard 19" rack mount
- Wall mountable with either left or right vertical presentation of fibre through adapters
- Removable lid also affords protection to the interfacing patch cords (Lid is fixed with screws)
- Designed to accommodate ST, Simplex SC, Duplex SC, MT-RJ & LC adapters

Order No.	SAP No.	Description
17.C130G	180100007	WR24 Fibre Enclosure, ST Aperture - Unloaded
17.C139G	180100005	WR24 Fibre Enclosure, Duplex SC Aperture - Unloaded
RFR-00077	182080004	WR24 Fibre Enclosure, MT-RJ Aperture - Unloaded
RFR-00177	180370252	WR24 Fibre Enclosure, Simplex SC/LC Aperture - Unloaded
Accessories		
17.C149G	180100012	WR24 Blank Fascia
17.C148G	180100006	WR24 Rack Mount Ears
AFR-00174	180600091	Duplex SC Blank, Kit of 3 - Black
AFR-00175	Consult Molex	ST Blank, Kit of 6 - Black

Suffix "-I" indicates parts with MRP label.



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WR48 Fixed Fibre Enclosures

The WR48 range of fibre enclosures can be used for wall mount (isolated) or rack mount (integrated) applications. The enclosures can be mounted flush or recessed in 19" cabinet/wall rack accommodation, allow rear, side and base access for Incoming/Outgoing cables and have internal management rings maintain fibre bend radius.

- Standard 19" rack mount
- Wall mountable with either left or right vertical presentation of fibre through adapters
- Removable lid also affords protection to the interfacing patch cords (Lid is fixed with screws)
- Designed to accommodate ST, Simplex SC, Duplex SC, MT-RJ & LC adapters

Order No.	SAP No.	Description
RFR-00078	182080005	WR48 Fibre Enclosure, Duplex SC Aperture - Unloaded
RFR-00079	182080006	WR48 Fibre Enclosure, ST Aperture - Unloaded
RFR-00081	182080008	WR48 Fibre Enclosure, MT-RJ Aperture - Unloaded
RFR-00178	180370253	WR48 Fibre Enclosure, Simplex SC/LC Aperture - Unloaded
Accessories		
RFR-00080	0182080007	WR48 Rack Mount Ears
AFR-00174	180600091	Duplex SC Blank, Kit of 3 - Black
AFR-00175	Consult Molex	ST Blank, Kit of 6 - Black

Suffix "-I" indicates parts with MRP label.



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Optical Fibre Solution Lightband™ Xtreme Density System



XFR-02004



XFR-02002



XFR-00001



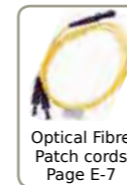
XFR-00002



XFR-01005



XFR-02005



Optical Fibre
Patch cords
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Low Loss
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Xtreme Density System

The Xtreme Density System is a configurable rack mount unit for storing and terminating incoming fibre cable. The chassis is available in a 1U 5 Cassette Module and 2U 12 Cassette Module Chassis – delivering from 124 to 288 fibre via 24 Fibre Plug N Play LC/MTP modules connected 24 Fibre MTP/MTP Optical Cables. The system is ideal for Data Centre, SAN, Enterprise/Campus and Telco central office applications.

- 24 Fibre LC/MTP Plug & Play Cassettes – provides 124F (1U) and 288 Fibres (2U)
- Future Proofing – Low Loss OM3, OM4 and OS2 cabling and cassettes offered as standard
- 24 Fibre MTP/MTP cable assemblies – reduced cable weight and footprint with lower impact on cable routing requirement and HVAC interference
- Rack Mount Chassis configurable with a combination of front door and rear cable management options.
- Optional Sliding Management and Storage Tray available
- Quick Release Tab on Cassettes – allows for tool-less and easy removal from chassis. Mounting tabs on side of cassette lock into the panel. Intermediate lockposition locks forward the cassette of the chassis for patch cord installation
- Slide Out Port Labeling - standard with modules
- High Density LC Quad Adapter Footprint – No extraction tool need for patch cord installation. Revised footprint improves front space management and port access.
- Internal fibre management inside the cassettes – ensures effective cable management guaranteeing performance

Order No.	SAP No.	Description
XFR-01001	Consult Molex	Xtreme Density 5 Modules Chassis 19", 1U
XFR-01002	Consult Molex	Xtreme Density 5 Modules Chassis 19", 1U, with Rear Management (without Front Door)
XFR-01003	Consult Molex	Xtreme Density 5 Modules Chassis, 19" 1U, with Front Door (without Rear Management)
XFR-01004	Consult Molex	Xtreme Density 5 Modules Chassis 19", 1U, with Front Door and Rear Management
XFR-01005	Consult Molex	Xtreme Density 1U Chassis Door
XFR-02001	Consult Molex	Xtreme Density 12 Modules Chassis 19", 2U
XFR-02002	Consult Molex	Xtreme Density 12 Modules Chassis 19", 2U, with Rear Management (without Front Door)
XFR-02003	Consult Molex	Xtreme Density 12 Modules Chassis, 19" 2U, with Front Door (without Rear Management)
XFR-02004	Consult Molex	Xtreme Density 12 Modules Chassis 19", 2U, with Front Door and Rear Management
XFR-02005	Consult Molex	Xtreme Density 2U Chassis Door
XFR-00001	Consult Molex	Xtreme Density Adapter Module 8 MPO/MTP Adapter, A Polarity
XFR-00002	Consult Molex	Xtreme Density Adapter Module 8 MPO/MTP Adapter, B Polarity
XFR-00003	Consult Molex	Xtreme Density Cassette, 24 Fibre, Low Loss, OS2 - Blue Adapters
XFR-00004	Consult Molex	Xtreme Density 1U Sliding Management/ Storage Tray - Black (includes Front and Rear cable management)
XFR-00005	Consult Molex	Xtreme Density Cassette, 24 Fibre, Low Loss, OM3/4 - Aqua Adapters
XFR-00006	Consult Molex	Xtreme Density Adapter Module Blank
XFR-00007	Consult Molex	Xtreme Density Cassette, MTP 24 To MTP12 Transisiton Module

Fibre Optic Solution Lightband™ Adapter Plates

Molex makes it easy to field configure many of its fibre optic products by offering an extensive line of Adapter Plates. The plates are loaded with high quality adapters and require no tools—the plates install with a simple snap rivet, making installation and/or changes simple.

6 Fibre Adapter Plates

6 Fibre Adapter Plates fit directly into most Molex fibre 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 fibres
- Available in Singlemode & Multimode versions
- For use within Molex's Fibre Management Systems
- Compatible with the Modular Splice Cassette housing and Lid (AFR-00380)

Order No.	SAP No.	Description
AFR-00357	180600135	ST 6 Fibre SM Adapter Plate
AFR-00358	180600136	SC Duplex 6 Fibre SM Adapter Plate - Blue
AFR-00360	180600138	SC Duplex 6 Fibre MM Adapter Plate - Beige
AFR-00363	180600141	6 Fibre Blank Plastic pack of 4
AFR-00364	180600142	ST 6 Fibre Adapter Plate unloaded
AFR-00365	180600143	LC Duplex 12 Fibre SM Adapter Plate - Blue
AFR-00366	180600144	LC Duplex 12 Fibre MM Adapter Plate - Beige
AFR-00371	180600149	ST 6 Fibre MM Adapter Plate
AFR-00372	180600150	SC Duplex 6 Fibre MM OM3 Adapter Plate - Aqua
AFR-00376	Consult Molex	LC Duplex 12 Fibre MM OM3 Adapter Plate - Aqua



Fibre Optic Solution Lightband™ Adapter Plates

12 Fibre Adapter Plates

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

- RoHS Compliant
- Accommodates 12 fibres
- Available in Singlemode & Multimode versions
- For use within Molex's Fibre Management Systems

Order No.	SAP No.	Description
AFR-00362	180600140	SC Duplex 12 Fibre Adapter Plate, Multimode - Beige
AFR-00368	180600146	SC Duplex 12 Fibre Adapter Plate, Singlemode - Blue
AFR-00374	180600152	SC Duplex 12 Fibre Adapter Plate, Multimode OM3 - Aqua



6 Fibre Shuttered Adapter Plates

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

- RoHS Compliant
- Accommodates 6 or 12 fibres
- Available in Singlemode & Multimode versions
- For use within Molex's Fibre Management Systems
- Unique shuttered feature protects from harmful light emissions

Order No.	SAP No.	Description
86117-1401	861171401	6 Fibre Shuttered MT-RJ Adapter Plate, Singlemode/Multimode
AFR-00114	182080069	6 Fibre Shuttered Duplex ST-SC Adapter Plate, Singlemode
AFR-00116	180600040	6 Fibre Shuttered Duplex ST-SC Adapter Plate, Multimode
AFR-00118	180600042	6 Fibre Shuttered Duplex SC Adapter Plate, Singlemode
AFR-00120	180600044	6 Fibre Shuttered Duplex SC Adapter Plate, Multimode
AFR-00229	180600100	6 Fibre Shuttered SC/APC Adapter Plate, Singlemode
AFR-00311	180600078	6 Fibre Shuttered Duplex SC Adapter Plate, Multimode OM3



12 Fibre Shuttered Adapter Plates

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

- RoHS Compliant
- Accommodates 12 fibres
- Available in Singlemode & Multimode versions
- For use within Molex's Fibre Management Systems
- Unique shuttered feature protects from harmful light emissions

Order No.	SAP No.	Description
AFR-00370	180600148	LC Quad 12 Fibre MM Adapter Plate - Beige
AFR-00369	180600147	LC Quad 12 Fibre SM Adapter Plate - Blue
AFR-00375	180600153	LC Quad 12 Fibre MM OM3 Adapter Plate - Aqua



6 Fibre Angled Adapter Plates

Angled 6 Fibre SC Adapter Plates fit directly into most Molex fibre 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 Fibre Plates are fixed at a 30 degree angle to protect installers and end users from LED/Laser light emissions.

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

Order No.	SAP No.	Description
AFR-00182	180600129	6 Fibre Angled Duplex SC Adapter Plate, Multimode
AFR-00183	180600116	6 Fibre Angled Duplex SC Adapter Plate, Singlemode
AFR-00185	180600131	6 Fibre Angled ST Adapter Plate, Singlemode
AFR-00186	180600132	6 Fibre Angled Duplex SC-ST Adapter Plate, Multimode
AFR-00187	180600133	6 Fibre Angled Duplex SC-ST Adapter Plate, Singlemode



24 Fibre Adapter Plates

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

- RoHS Compliant
- Accommodates 24 fibres
- Available in Singlemode & Multimode versions
- For use within Molex's Fibre Management Systems

Order No.	SAP No.	Description
AFR-00377	180600155	LC Quad 24 Fibre MM OM1 Adapter Plate - Beige
AFR-00378	180600156	LC Quad 24 Fibre MM OM3 Adapter Plate - Aqua
AFR-00379	180600157	LC Quad 24 Fibre SM OS1 Adapter Plate - Blue



Fibre Optic Solution Lightband™ Adapter Plates



12 Fibre Keyed LC Adapter Plates

Molex's Keyed LC Adapters used in conjunction with compatible connectors provides mechanical security and prevent cross connection while allowing for high density layouts without performance compromise.

Molex's Keyed LC Fibre Optic Adapter Plates are a modular platform compatible with various Molex Enclosures and Fibre Splicing Systems. The Molex Plates require no tools for installation.

- Available in seven different Keyed LC Adapter types
- Available in Singlemode & Multimode versions
- Upgradeable - can be used with Molex's standard fibre optic splicing options or with our new Modular Splice Cassette
- 100% factory tested - guaranteed performance

Order No.	SAP No.	Description
AFR-00420-0C	Consult Molex	Keyed LC Duplex 12 Fibre Adapter Plate - Red
AFR-00420-0K	Consult Molex	Keyed LC Duplex 12 Fibre Adapter Plate - Yellow
AFR-00420-0J	Consult Molex	Keyed LC Duplex 12 Fibre Adapter Plate - Green
AFR-00420-0H	Consult Molex	Keyed LC Duplex 12 Fibre Adapter Plate - Blue
AFR-00420-0N	Consult Molex	Keyed LC Duplex 12 Fibre Adapter Plate - Orange
AFR-00420-AQ	Consult Molex	Keyed LC Duplex 12 Fibre Adapter Plate - Aqua
AFR-00420-04	Consult Molex	Keyed LC Duplex 12 Fibre Adapter Plate - Black



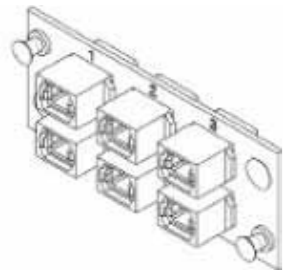
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Modular Splice Cassettes Page E-29

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 Fibre 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



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

Fibre Optic Solution Lightband™ Splicing



Fusion splicing entails precisely aligning cleaved fibre ends and fusing them together. After the fibres have been cleaned, cleaved, and aligned, high voltage electrodes create a high temperature arc across the fibre ends as the fibres are butted together, thus fusing (melting) the two strands into one. A mechanical splice aligns and holds together two bare fibre ends by

some mechanical means, usually compressing the fibre buffer. Like a fusion splice, the bare fibres must be cleaned, cleaved, butted together, and then "locked" in place. Mechanical splices are capable of low loss splice quality comparable to fusion splices, achieving losses below the TIA-568-B specification of 0.30 dB.

Modular Splice Cassettes

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

- Fully integrated into Molex's Specification Grade Enclosures
- Maximises density - maximum 24 fibre capacity
- Provides perfect bend radius for splices
- Integrated cable management - prevents damage

Order No.	SAP No.	Description
AFR-00340	183190000	Modular Splice Cassette 6 Fibre Singlemode OS1 Duplex SC
AFR-00341	183190001	Modular Splice Cassette 6 Fibre Multimode OM1 Duplex SC
AFR-00342	183190002	Modular Splice Cassette 6 Fibre Multimode OM2 Duplex SC
AFR-00343	183190003	Modular Splice Cassette 6 Fibre Multimode OM3 Duplex SC
AFR-00344	183190004	Modular Splice Cassette 12 Fibre Singlemode OS1 Duplex SC
AFR-00345	183190005	Modular Splice Cassette 12 Fibre Multimode OM1 Duplex SC
AFR-00346	Consult Molex	Modular Splice Cassette 12 Fibre Multimode OM2 Duplex SC
AFR-00347	183190007	Modular Splice Cassette 12 Fibre Multimode OM3 Duplex SC
AFR-00348	183190008	Modular Splice Cassette 12 Fibre Singlemode OS1 Duplex LC
AFR-00349	183190009	Modular Splice Cassette 12 Fibre Multimode OM1 Duplex LC
AFR-00350	183190010	Modular Splice Cassette 12 Fibre Multimode OM2 Duplex LC
AFR-00351	183190011	Modular Splice Cassette 12 Fibre Multimode OM3 Duplex LC
AFR-00352	183190012	Modular Splice Cassette 24 Fibre Singlemode OS1 Quad LC
AFR-00353	183190013	Modular Splice Cassette 24 Fibre Multimode OM1 Quad LC
AFR-00354	183190014	Modular Splice Cassette 24 Fibre Multimode OM2 Quad LC
AFR-00355	183190015	Modular Splice Cassette 24 Fibre Multimode OM3 Quad LC
AFR-00382	183190017	Modular Splice Cassette 6 Fibre Singlemode OS1 ST
AFR-00383	183190018	Modular Splice Cassette 6 Fibre Multimode OM1 ST
AFR-00384	183190019	Modular Splice Cassette 6 Fibre Multimode OM2 ST
AFR-00380	183190016	Modular Splice Cassette Housing and Lid
AFR-00337	180690053	12 Fibre Fusion Splice Holder



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Secure Keyed LC Modular Splice Cassettes



Order No.	SAP No.	Description
AFR-00423-0C	183330000	Keyed LC Duplex Fibre Modular Splice Cassette OM1- Red
AFR-00424-0C	183330001	Keyed LC Duplex Fibre Modular Splice Cassette OM2 - Red
AFR-00425-0C	183330002	Keyed LC Duplex Fibre Modular Splice Cassette OM3 - Red
AFR-00426-0C	183330003	Keyed LC Duplex Fibre Modular Splice Cassette OS1 - Red
AFR-00423-0K	183330004	Keyed LC Duplex Fibre Modular Splice Cassette OM1- Yellow
AFR-00424-0K	183330005	Keyed LC Duplex Fibre Modular Splice Cassette OM2 - Yellow
AFR-00425-0K	183330006	Keyed LC Duplex Fibre Modular Splice Cassette OM3 - Yellow
AFR-00426-0K	183330007	Keyed LC Duplex Fibre Modular Splice Cassette OS1 - Yellow
AFR-00423-0J	183330008	Keyed LC Duplex Fibre Modular Splice Cassette OM1- Green
AFR-00424-0J	183330009	Keyed LC Duplex Fibre Modular Splice Cassette OM2 - Green
AFR-00425-0J	183330010	Keyed LC Duplex Fibre Modular Splice Cassette OM3 - Green
AFR-00426-0J	183330011	Keyed LC Duplex Fibre Modular Splice Cassette OS1 - Green
AFR-00423-0H	183330012	Keyed LC Duplex Fibre Modular Splice Cassette OM1- Blue
AFR-00424-0H	183330013	Keyed LC Duplex Fibre Modular Splice Cassette OM2 - Blue
AFR-00425-0H	183330014	Keyed LC Duplex Fibre Modular Splice Cassette OM3 - Blue
AFR-00426-0H	183330015	Keyed LC Duplex Fibre Modular Splice Cassette OS1 - Blue
AFR-00423-0N	183330016	Keyed LC Duplex Fibre Modular Splice Cassette OM1- Orange
AFR-00424-0N	183330017	Keyed LC Duplex Fibre Modular Splice Cassette OM2 - Orange
AFR-00425-0N	183330018	Keyed LC Duplex Fibre Modular Splice Cassette OM3 - Orange
AFR-00426-0N	183330019	Keyed LC Duplex Fibre Modular Splice Cassette OS1 - Orange
AFR-00423-AQ	183330020	Keyed LC Duplex Fibre Modular Splice Cassette OM1- Aqua
AFR-00424-AQ	183330021	Keyed LC Duplex Fibre Modular Splice Cassette OM2 - Aqua
AFR-00425-AQ	183330022	Keyed LC Duplex Fibre Modular Splice Cassette OM3 - Aqua
AFR-00426-AQ	183330023	Keyed LC Duplex Fibre Modular Splice Cassette OS1 - Aqua
AFR-00423-BK	183330024	Keyed LC Duplex Fibre Modular Splice Cassette OM1- Black
AFR-00424-BK	183330025	Keyed LC Duplex Fibre Modular Splice Cassette OM2 - Black
AFR-00425-BK	183330026	Keyed LC Duplex Fibre Modular Splice Cassette OM3 - Black
AFR-00426-BK	183330027	Keyed LC Duplex Fibre Modular Splice Cassette OS1 - Black



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Fibre Optic Solution Lightband™ Splicing



Splice Trays

The Splice Tray is a configurable enclosure for fusion splices. Loose tube cable is routed into and out of the tray through 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 fusion splices
- Accommodates up to 24 splices

Order No.	SAP No.	Description
AFR-00190	181740009	24 Fibre Fusion Splice Holder
AFR-00470	180600217	Universal Splice Tray, 24 Fibre with built in Cable Management, 1U Global Enclosure (Self Adhesive, 1 pc)



Fusion Splice Protectors

Fusion Splice Protectors are available in two lengths - 61mm and 45mm, while offering an installed outside diameter of only 2.4mm. Each Splice protector is reinforced by a stainless steel pin to BS2056 302 S26 specification, thus ensuring the maximum possible protection for the delicate fusion splices.

- Steel pin reinforcement
- 2.4mm outside diameter
- Colour : Transparent
- Two lengths available 45mm and 61mm
- RoHS Compliant

Order No.	SAP No.	Description
KFR-00008	180600025	45mm Fusion Splice Protector
KFR-00009	180600026	61mm Fusion Splice Protector



Fibre optic Breakout Kits

Fibre Optic Breakout Kits are for use on multi-fibres-per-tube loose tube cables to modify the cable for direct termination. Each kit breaks out 250µm fibres from a multi-fibre loose tube into individual 900µm buffer tubes. The fibres can then be terminated using the connector manufacturer's recommended termination procedures for 900µm tight buffered fibres. Each kit is individually packaged in a sealed plastic bag.

- Available in 4, 6, 8 and 12 fibre versions
- Compact design
- RoHS Compliant

Order No.	SAP No.	Description
91.B0610	0180600022	4 Fibres Per Tube Breakout Kit
91.B0620	0180600023	6 Fibres Per Tube Breakout Kit
91.B0630	0180580057	8 Fibres Per Tube Breakout Kit
91.B0640	0182080065	12 Fibres Per Tube Breakout Kit



Fibre Optic Solution Lightband™ Splicing



Pocket Fault Locator

The Pocket Fault Locator is designed for either Singlemode or Multimode use. This pen-sized unit allows you to visually locate micro-bends, fibre breaks and other sources of optical attenuation in fibre patch cords, patch panels and enclosures.

- Visible 650nm Laser
- Small pocket sized design
- Contiguous or Modulated Light Source
- Supports Singlemode & Multimode applications
- Battery operated
- 2.5mm Universal Ferrule Adapter

Order No.	SAP No.	Description
AFR-00323	0180600096	Pocket Fault Locator

Fibre Optic Solution Lightband™ Fibre-To-The-Desk

Molex offers a comprehensive range of fibre-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 fibre 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.



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 and Multimode performance.

- RoHS Compliant
- Available in Singlemode & Multimode versions
- Designed to fit into Synergy, Streamline, Signature & USO II system of wallplates and surface blocks
- Available in five colours
- SC adapter available with or without shutter
- 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 Singlemode and Multimode performance.

- RoHS Compliant
- Available in Singlemode & Multimode versions
- Designed to fit into Synergy, Streamline, Signature & USO II system of wallplates and surface blocks
- Available in five 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



Secure Keyed LC Duplex Synergy Modules

Molex's Keyed LC Adapters used in conjunction with compatible connectors provide mechanical security and prevent inadvertent cross connection while allowing for high density layouts without performance compromise.

- Available in Singlemode versions
- Designed to fit into Synergy, Streamline, Signature & USO II system of wallplates and surface blocks
- Available in seven different Keyed LC Adapter types
- DataGate footprint

Combining this with Molex's Fibre-to-the-Desk applications prevents unauthorised connections at the desk.

Order No.	SAP No.	Description
MSY-00129-0C-01	182630007	Keyed Red LC Duplex Synergy Single Module - Almond
MSY-00129-0K-01	182630008	Keyed Yellow LC Duplex Synergy Single Module - Almond
MSY-00129-0J-01	182630009	Keyed Green LC Duplex Synergy Single Module - Almond
MSY-00129-0H-01	182630010	Keyed Blue LC Duplex Synergy Single Module - Almond
MSY-00129-0N-01	182630011	Keyed Orange LC Duplex Synergy Single Module - Almond
MSY-00129-AQ-01	182630012	Keyed Aqua LC Duplex Synergy Single Module - Almond
MSY-00129-04-01	182630013	Keyed Black LC Duplex Synergy Single Module - Almond
MSY-00129-0C-02	182630000	Keyed Red LC Duplex Synergy Single Module - White
MSY-00129-0K-02	182630001	Keyed Yellow LC Duplex Synergy Single Module - White
MSY-00129-0J-02	182630002	Keyed Green LC Duplex Synergy Single Module - White
MSY-00129-0H-02	182630003	Keyed Blue LC Duplex Synergy Single Module - White
MSY-00129-0N-02	182630004	Keyed Orange LC Duplex Synergy Single Module - White
MSY-00129-AQ-02	182630005	Keyed Aqua LC Duplex Synergy Single Module - White
MSY-00129-04-02	182630006	Keyed Black LC Duplex Synergy Single Module - White
MSY-00129-0C-08	182630028	Keyed Red LC Duplex Synergy Single Module - Grey
MSY-00129-0K-08	182630029	Keyed Yellow LC Duplex Synergy Single Module - Grey
MSY-00129-0J-08	182630030	Keyed Green LC Duplex Synergy Single Module - Grey
MSY-00129-0H-08	182630031	Keyed Blue LC Duplex Synergy Single Module - Grey
MSY-00129-0N-08	182630032	Keyed Orange LC Duplex Synergy Single Module - Grey
MSY-00129-AQ-08	182630033	Keyed Aqua LC Duplex Synergy Single Module - Grey
MSY-00129-04-08	182630034	Keyed Black LC Duplex Synergy Single Module - Grey



Fibre Optic Solution Lightband™ Fibre-To-The-Desk



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 five 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

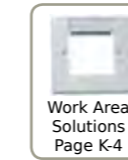


50 x 50mm Angled Modules

50 x 50mm Angled modules ensure that correct bend radius is maintained in a fibre-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 and USO II System of Wallplates

Order No.	SAP No.	Description
MEU-00005-02	184000314	Angled ST Module, Multimode - 4 Adapters
MEU-00006-02	Consult Molex	Angled ST Module, Singlemode - 4 Adapters
MEU-00007-02	Consult Molex	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	Consult Molex	Angled Shuttered Duplex SC Module, Multimode -1 Adapter
MEU-00012-02	Consult Molex	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	181210017	Angled Shuttered LC, Singlemode - 2 Adapters
MEU-00049-02	182620005	Angled Shuttered LC, Multimode - 2 Adapters



50 x 50 Secure Keyed LC Euromod and USO II Modules

Molex Keyed LC Adapters used in conjunction with compatible connectors provide mechanical security and prevent inadvertent cross connection while allowing for high density layouts without performance compromise.

- 50 x 50 module
- Available in Singlemode & Multimode versions
- Compatible with 32mm deep trunking
- For use within Euromod and USO II System of Wallplates

Order No.	SAP No.	Description
MEU-00068-0C	184000314	Keyed LC Duplex 50 x 50 Angled Bezel - Red
MEU-00068-0K	182630001	Keyed LC Duplex 50 x 50 Angled Bezel - Yellow
MEU-00068-0J	182630002	Keyed LC Duplex 50 x 50 Angled Bezel - Green
MEU-00068-0H	182630003	Keyed LC Duplex 50 x 50 Angled Bezel - Blue
MEU-00068-0N	182630004	Keyed LC Duplex 50 x 50 Angled Bezel - Orange
MEU-00068-AQ	182630005	Keyed LC Duplex 50 x 50 Angled Bezel - Aqua
MEU-00068-04	182630006	Keyed LC Duplex 50 x 50 Angled Bezel - Black

Fibre Optic Solution Lightband™ Fibre-To-The-Desk



25 x 50mm Modules

25 x 50mm modules provide a Singlemode or Multimode solution, supporting SC, ST and LC fibre technology.

- Available in Singlemode & Multimode versions
- For use within USO II System of Wallplates
- For use within WM-12 wall mount fibre 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 Adapter
MEU-00029-02	0181490006	25 x 50mm LC Module, Singlemode - 2 Adapters
MEU-00067-02	0182620012	25 x 50mm LC Module, Multimode - 2 Adapters

25 x 50 Secure Keyed LC Euromod and USO II Modules

Molex Keyed LC Adapters used in conjunction with compatible connectors provide mechanical security and prevent inadvertent cross connection while allowing for high density layouts without performance compromise.

- 25 x 50 module
- Available in Singlemode & Multimode versions
- Compatible with 32mm deep trunking
- For use within Euromod and USO II System of Wallplates

Combining this with Molex's Fibre to the Desk Applications prevents unauthorised connections to the desk.



Order No.	SAP No.	Description
MEU-00069-0C	182630007	Keyed LC Duplex 25 x 50 Angled Bezel - Red
MEU-00069-0K	182630008	Keyed LC Duplex 25 x 50 Angled Bezel - Yellow
MEU-00069-0J	182630009	Keyed LC Duplex 25 x 50 Angled Bezel - Green
MEU-00069-0H	182630010	Keyed LC Duplex 25 x 50 Angled Bezel - Blue
MEU-00069-0N	182630011	Keyed LC Duplex 25 x 50 Angled Bezel - Orange
MEU-00069-AQ	182630012	Keyed LC Duplex 25 x 50 Angled Bezel - Aqua
MEU-00069-04	182630013	Keyed LC Duplex 25 x 50 Angled Bezel - Black

Fibre Management Backbox

The Fibre Management Backbox provides enough space for direct termination or splicing of up to eight fibres and is designed to maintain the minimum bend radius requirements for fibre optic cable when used in conjunction with Euromod Angled Modules.

This product is also suitable for applications which require copper modules and can accommodate up to two flat Euromod PowerCat or secondary voice modules as well as four fibres. It is packaged complete with threaded inserts for trunking applications and adhesive strip for mounting in a surface mount backbox.

- Fits inside 32mm UK standard double gang backbox for surface mount applications
- Up to 8 fusion splices can be accommodated securely
- Provides storage for up to 8m of 900µm tight buffered fibre
- Correct bend radius maintained when used with angled modules
- No additional backbox required for trunking applications
- Mixed media capability

Order No.	SAP No.	Description
WFR-00044-02	Consult Molex	Fibre Management Backbox



Euromod Modules Page B-11

Pre-Terminated Solutions ModLink™ Fibre Plug & Play



ModLink is an ideal solution for mission critical applications such as Data Centres and Storage Area Networks, where fast installation is paramount and where moves adds and changes are frequent or managed in-house.

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

12 Port LC ModLink Cassettes

ModLink Cassettes provide a cost-effective, quick and easy fibre 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, MT-RJ or ST coupler
- Industry-leading low insertion loss for OS1/2, OM3 & and OM4 Cassettes
- Available in Singlemode & Multimode versions
- Front port identification plus labelling field on cassette top for fibre documentation
- For use within Molex's Fibre Management Systems

Order No.	SAP No.	Description
MLCDSC120S2L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OS1/2 Singlemode
MLCMTR120S2L	Consult Molex	12 Port ModLink Cassette, MTRJ, OS1/2 Singlemode
MLCDLC120S2L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OS1/2 Singlemode
MLCQLC120S2L	Consult Molex	12 Port ModLink Cassette, Quad LC, OS1/2 Singlemode
MLCDSC120M1	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM1 62.5µm Multimode
MLCMTR120M1	Consult Molex	12 Port ModLink Cassette, MT-RJ, OM1 62.5µm Multimode
MLCDLC120M1	0181810142	12 Port ModLink Cassette, Duplex LC, OM1 62.5µm Multimode
MLCQLC120M1	0180370268	12 Port ModLink Cassette, Quad LC, OM1 62.5µm Multimode
MLCDSC120M2	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM2 50µm Multimode
MLCMTR120M2	Consult Molex	12 Port ModLink Cassette, MT-RJ, OM2 50µm Multimode
MLCDLC120M2	0181810147	12 Port ModLink Cassette, Duplex LC, OM2 50µm Multimode
MLCQLC120M2	0180370267	12 Port ModLink Cassette, Quad LC, OM2 50µm Multimode
MLCDSC120M3L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM3 50µm Multimode, Low Loss
MLCMTR120M3L	Consult Molex	12 Port ModLink Cassette, MTRJ, OM3 50µm Multimode, Low Loss
MLCDLC120M3L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM3 50µm Multimode, Low Loss
MLCQLC120M3L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM3 50µm Multimode, Low Loss
MLCDSC120M4L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM4 50µm Multimode, Low Loss
MLCMTR120M4L	Consult Molex	12 Port ModLink Cassette, MT-RJ, OM4 50µm Multimode, Low Loss
MLCDLC120M4L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM4 50µm Multimode, Low Loss
MLCQLC120M4L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM4 50µm Multimode, Low Loss

24 Port Duplex SC ModLink Cassettes

ModLink Cassettes provide a cost-effective, quick and easy fibre system for backbone and to-the-desk applications. 24 Port Duplex SC 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, MT-RJ or ST coupler
- Industry-leading low insertion loss for OS1/2, OM3 & and OM4 Cassettes
- Available in Singlemode & Multimode versions
- Front port identification plus labelling field on cassette top for fibre documentation
- For use within Molex's Fibre Management Systems



Order No.	SAP No.	Description
MLCQLC240M1	Consult Molex	24 Port ModLink Cassette, Quad LC, OM1 62.5µm Multimode
MLCQLC240M2	Consult Molex	24 Port ModLink Cassette, Quad LC, OM2 50µm Multimode
MLCQLC240M3L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OM3 50µm Multimode
MLCQLC240M4L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OM4 50µm Multimode
MLCQLC240S2L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OS2 Singlemode

Pre-Terminated Solutions ModLink™ Fibre Plug & Play



Keyed LC ModLink Advanced Fibre Cassettes

Molex's Keyed LC Adapters, used in conjunction with compatible connectors, provide mechanical security and prevent inadvertent cross connection while allowing for high density layouts without performance compromise. Combining this with Molex's Plug and Play Advanced Fibre Optic Systems offers premium factory-controlled optical performance, enables flexible system configuration and fast, economical installation.

- Self-contained fibre optic patching enclosures convert MPO/MTP interface to Keyed LC Adapters
- Available in seven different Keyed LC Adapter types
- Cassettes in 12 fibre format
- Test results with each cassette

Pre-Terminated Solutions ModLink™ Fibre Plug & Play



ModLink Cables

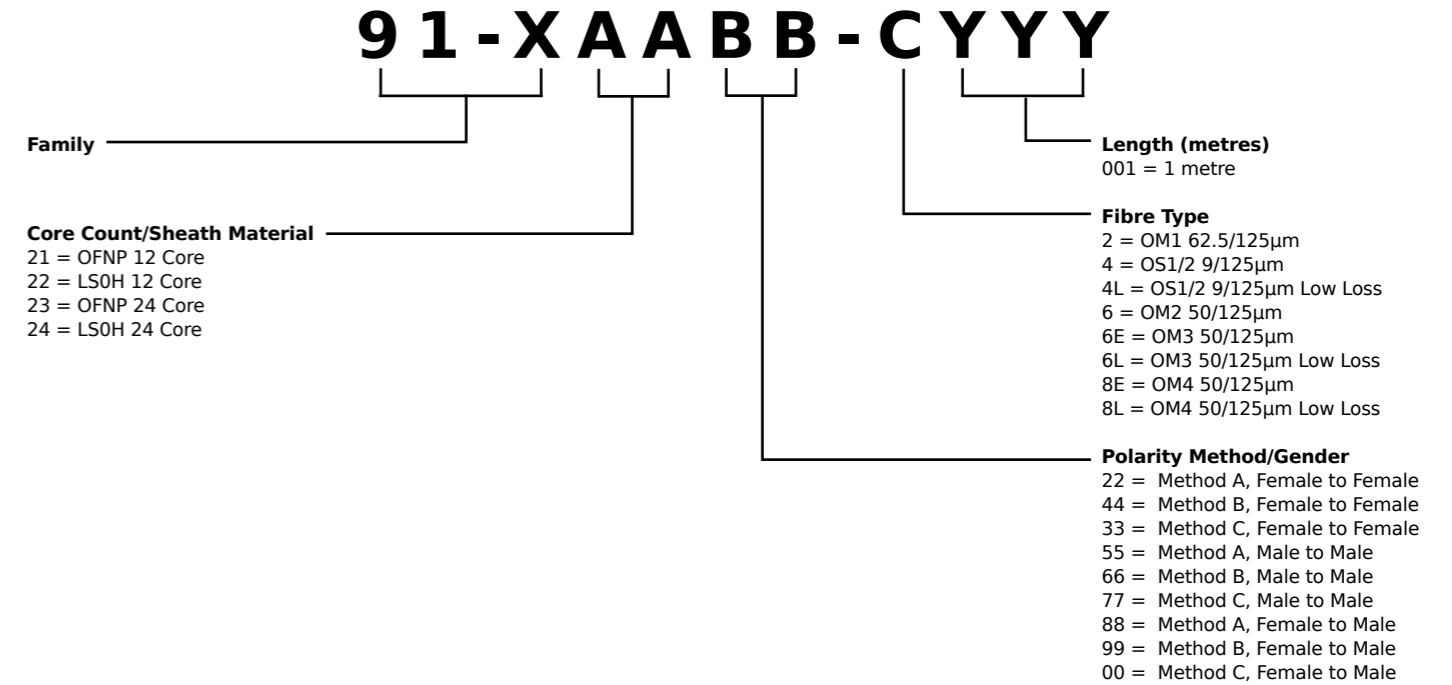
- LS0H rated ribbon cables are factory terminated on both ends with multi-fibre MTP® connectors for maximum fibre density
- Round, flexible outer jacket is easy to bend, route and install
- Patented flexible transition sleeve maintains the routing feature of the round cable, absorbs vibration shock and provides an ideal surface to secure the MTP connector

- Industry-leading low insertion loss (0.35dB Maximum Insertion Loss for Laser Optimised OM3/4 Cables and OS1/2 Cables, 0.10dB Typical)
- ModLink advanced fibre optic cables are 100% tested
- Pulling eyes installed to protect the assembly during installation
- 4.5mm o.d.
- Standard and Low Loss versions available

Order No.	SAP No.	Description
MLCKLC12OS1-0C	183090000	Keyed LC Duplex 12 Fibre ModLink Cassette OS1 - Red
MLCKLC12OS1-0K	183090001	Keyed LC Duplex 12 Fibre ModLink Cassette OS1 - Yellow
MLCKLC12OS1-0J	183090002	Keyed LC Duplex 12 Fibre ModLink Cassette OS1 - Green
MLCKLC12OS1-0H	183090003	Keyed LC Duplex 12 Fibre ModLink Cassette OS1 - Blue
MLCKLC12OS1-0N	183090004	Keyed LC Duplex 12 Fibre ModLink Cassette OS1 - Orange
MLCKLC12OS1-AQ	183090005	Keyed LC Duplex 12 Fibre ModLink Cassette OS1 - Aqua
MLCKLC12OS1-04	183090006	Keyed LC Duplex 12 Fibre ModLink Cassette OS1 - Black
MLCKLC12OM1-0C	183090007	Keyed LC Duplex 12 Fibre ModLink Cassette OM1 - Red
MLCKLC12OM1-0K	183090008	Keyed LC Duplex 12 Fibre ModLink Cassette OM1 - Yellow
MLCKLC12OM1-0J	183090009	Keyed LC Duplex 12 Fibre ModLink Cassette OM1 - Green
MLCKLC12OM1-0H	183090010	Keyed LC Duplex 12 Fibre ModLink Cassette OM1 - Blue
MLCKLC12OM1-0N	183090011	Keyed LC Duplex 12 Fibre ModLink Cassette OM1 - Orange
MLCKLC12OM1-AQ	183090012	Keyed LC Duplex 12 Fibre ModLink Cassette OM1 - Aqua
MLCKLC12OM1-04	183090013	Keyed LC Duplex 12 Fibre ModLink Cassette OM1 - Black
MLCKLC12OM2-0C	183090014	Keyed LC Duplex 12 Fibre ModLink Cassette OM2 - Red
MLCKLC12OM2-0K	183090015	Keyed LC Duplex 12 Fibre ModLink Cassette OM2 - Yellow
MLCKLC12OM2-0J	183090016	Keyed LC Duplex 12 Fibre ModLink Cassette OM2 - Green
MLCKLC12OM2-0H	183090017	Keyed LC Duplex 12 Fibre ModLink Cassette OM2 - Blue
MLCKLC12OM2-0N	183090018	Keyed LC Duplex 12 Fibre ModLink Cassette OM2 - Orange
MLCKLC12OM2-AQ	183090019	Keyed LC Duplex 12 Fibre ModLink Cassette OM2 - Aqua
MLCKLC12OM2-04	183090020	Keyed LC Duplex 12 Fibre ModLink Cassette OM2 - Black
MLCKLC12OM3-0C	183090021	Keyed LC Duplex 12 Fibre ModLink Cassette OM3 - Red
MLCKLC12OM3-0K	183090022	Keyed LC Duplex 12 Fibre ModLink Cassette OM3 - Yellow
MLCKLC12OM3-0J	183090023	Keyed LC Duplex 12 Fibre ModLink Cassette OM3 - Green
MLCKLC12OM3-0H	183090024	Keyed LC Duplex 12 Fibre ModLink Cassette OM3 - Blue
MLCKLC12OM3-0N	183090025	Keyed LC Duplex 12 Fibre ModLink Cassette OM3 - Orange
MLCKLC12OM3-AQ	183090026	Keyed LC Duplex 12 Fibre ModLink Cassette OM3 - Aqua
MLCKLC12OM3-04	183090027	Keyed LC Duplex 12 Fibre ModLink Cassette OM3 - Black



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



For Example: To order a 12 Core MTP-MTP Cable Assembly, Polarity A, Female to Female, OM1 62.5/125UM - OFNP yellow ModLink Cable, the part number would be 91X2122-2100

Pre-Terminated Solutions ModLink™ Copper Plug & Play



Factory terminated Plug & Play solutions offer enterprises a number of advantages over traditional cabling systems. Deployment is faster, performance is guaranteed, on-site testing is eliminated. Plug and Play solutions are ideal for installations where quality and speed of implementation are paramount, and are ideal for

high density environments such as Data Centres, Storage Area Networks (SAN's) and Server rooms. The ModLink Copper Plug & Play solution when installed in a channel configuration has been certified by ETL Semko as compliant with IEE 802.3ab-1999 for Zero Bit Rate 1000 Base-T transmission.

Copper ModLink Panels

The 48 port ModLink Copper Panel consists of 4 12 port ModLink Copper cassettes loaded into a 1U Rack Mount Enclosure. The cassettes slide easily in and out of the panels, allowing speedy installation. Simple cassette design allows for fast upgrades or expansion of systems with minimum installation time. All cassettes are 100% factory tested, enabling flexible configuration and cost effective installation, while minimising the need for on-site testing.

- Utilises the patented Molex iPass™ connector, providing reliable 10/100/1000BASE-T performance
- Modular Cassettes convert the iPass interface to a standard RJ45 interface
- ModLink panels are modular in design and accept up to 4 ModLink cassettes
- Panels feature integral rear cable management
- Cassettes are configured with 12 ports (2 rows x 6 RJ45 ports)
- 100% factory tested

Order No.	SAP No.	Description
CMP-00007	183170006	48 Port Copper ModLink Panel, with all cassettes loaded - 1U
CMP-00008	183170007	24 Port Copper ModLink Panel, with all cassettes loaded - 1U
CMP-00005	0183170004	Copper ModLink Panel, Unloaded - 1U

Copper ModLink Cassettes

ModLink cassettes slide easily in and out of the panels, allowing speedy installation. The simple cassette design allows for fast upgrades or expansion of systems with minimum installation time. All cassettes are 100% factory tested, enabling flexible configuration and cost effective installation, while minimising the need for on-site testing.

- ModLink cassettes slide easily in and out of the panels
- 100% factory tested



Order No.	SAP No.	Description
CMP-00010	183170009	6 Port Copper ModLink Cassette
CMP-00009	183170008	12 Port Copper ModLink Cassette

Hydra Cable Assemblies

Hydra Cable assemblies are comprised of 6 RJ45 plugs to an iPass connector on the other end. They are specifically designed to connect Molex's range of ModLink copper cassettes from panel to panel or from the switch to the panel links.

- Hydra cable assemblies feature patented iPass high density, robust die-cast connectors on one end & 6 RJ45 plugs on the other end
- 100% factory tested
- Custom cable assembly lengths in increments from 1m - 90m, enabling flexible configuration and cost effective installation



Order No.	SAP No.	Description
ICA-00150-08	183030149	iPass RJ45 Cable Assembly, 6 port PVC, 1m - Grey
ICA-00151-08	183030150	iPass RJ45 Cable Assembly, 6 port PVC, 2m - Grey
ICA-00152-08	183030151	iPass RJ45 Cable Assembly, 6 port PVC, 3m - Grey
ICA-00153-08	183030152	iPass RJ45 Cable Assembly, 6 port PVC, 5m - Grey
ICA-00154-08	183030153	iPass RJ45 Cable Assembly, 6 port PVC, 7m - Grey
ICA-00155-08	183030154	iPass RJ45 Cable Assembly, 6 port PVC, 10m - Grey

Pre-Terminated Solutions ModLink™ Copper Plug & Play



Distribution Cables

Distribution Cables provide speeds up to 1000 BASE-T and are specifically designed to connect Molex's range of ModLink copper cassettes. Utilising Molex's patented iPass™ connector, Distribution Cables are used as the interconnection cable between cassettes and are made as iPass to iPass cable assemblies.

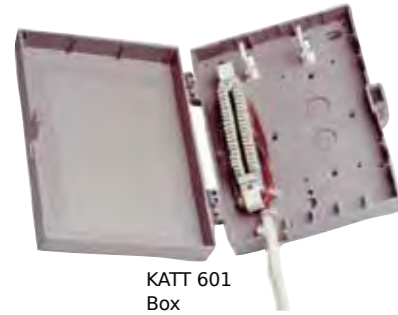
- Utilises the patented Molex iPass™ connector
- The iPass connector supports 6 X RJ45 ports
- 100% factory tested
- LSOH cable sheaths

Order No.	SAP No.	Description
ICA-00126-08	183030125	iPass 24 pair Gigabit UTP CMP 25m - Grey
ICA-00127-08	183030126	iPass 24 pair Gigabit UTP CMR 25m - Grey
ICA-00128-08	183030127	iPass 24 pair Gigabit UTP CMP 30m - Grey
ICA-00129-08	183030128	iPass 24 pair Gigabit UTP CMR 30m - Grey
ICA-00130-08	183030129	iPass 24 pair Gigabit UTP CMP 35m - Grey
ICA-00131-08	183030130	iPass 24 pair Gigabit UTP CMR 35m - Grey
ICA-00132-08	183030131	iPass 24 pair Gigabit UTP CMP 40m - Grey
ICA-00133-08	183030132	iPass 24 pair Gigabit UTP CMR 40m - Grey
ICA-00134-08	183030133	iPass 24 pair Gigabit UTP CMP 45m - Grey
ICA-00135-08	183030134	iPass 24 pair Gigabit UTP CMR 45m - Grey
ICA-00136-08	183030135	iPass 24 pair Gigabit UTP CMP 50m - Grey
ICA-00137-08	183030136	iPass 24 pair Gigabit UTP CMR 50m - Grey
ICA-00138-08	183030137	iPass 24 pair Gigabit UTP LSOH 25m - Grey
ICA-00139-08	183030138	iPass 24 pair Gigabit UTP LSOH 30m - Grey
ICA-00140-08	183030139	iPass 24 pair Gigabit UTP LSOH 35m - Grey
ICA-00141-08	183030140	iPass 24 pair Gigabit UTP LSOH 40m - Grey
ICA-00142-08	183030141	iPass 24 pair Gigabit UTP LSOH 45m - Grey
ICA-00143-08	183030142	iPass 24 pair Gigabit UTP LSOH 50m - Grey

Note: CMP = Plenum, CMR = Riser (PVC) Cable

Consolidation Points

Consolidation points offer a flexible solution enabling the fundamental change of a network installation without re-terminating. The zone based approach of consolidation points significantly reduces installation time and disruption in the work area, whilst enabling faster repair in the event of a problem.



KATT 601 Box



KATT 24 Pair Kit

KATT 601 Connection Box & KATT Block Connector Kits

Molex's Category 5E KATT block solutions are ideal for high density business premises wiring, designed for voice and data applications. The KATT 601 Connection Box has a capacity of 60 pairs and is supplied with one 20 pair KATT connector kit. Individual 20 pair kits can be purchased separately. The KATT 24 Pair Connection Block is designed for use with standard back mount frames, provides up to 24 pairs and is interchangeable with Krone® connectors and label strips.

- ACA approved
- Category 5E
- 60 pair capacity - 601 Box
- KATT Contact - IDC Termination
- Re-terminations - 200 minimum
- Accepts 0.4mm to 0.63mm (22-26 AWG) solid or stranded wires
- KATT 24 - High connection density up to 24 pairs
- KATT 24 - Compatible with standard back mount frames

Order No.	SAP No.	Description
14-0001-001	Consult Molex	KATT 601 Connection Box with 1 x 20 Pair Connector Kit
14-0002-001	Consult Molex	20 Pair KATT Connector Kit (For Use with 601 Box)
14-0002-002	Consult Molex	KATT 24 Pair Kit (For Use with Standard Backmount Frames)

Consolidation Points

Fibre Consolidation Point Enclosures

Molex consolidation points allow horizontal workplace cable to be terminated under a floor or above a ceiling in a protected enclosure - affording greater flexibility and usability. Consolidation points provides up to 12 fibre core capacity and feature Molex's unique shutter technology to protect the fibres from dust ingress.

- RoHS compliant
- Available in Singlemode & Multimode versions
- Shuttered adapters to protect against dust ingress
- Quarter turn fasteners used to secure lid
- Fibre jacket and strength member retention features fitted



Order No.	SAP No.	Description
CPT-00028	Consult Molex	12 Port Shuttered LC Consolidation Point, Singlemode
CPT-00029	Consult Molex	12 Port Shuttered MT-RJ Consolidation Point, Singlemode/Multimode
CPT-00030	0180080066	12 Port Shuttered Duplex SC Consolidation Point, Singlemode
CPT-00031	180080064	12 Port Shuttered Duplex SC Consolidation Point, Multimode
Accessories		
CPT-00034	0180080059	Consolidation Point Enclosure Base - Unloaded
CPT-00044	180080077	6 Port Consolidation Point Enclosure LC Plate, Singlemode
CPT-00041	180080074	6 Port Consolidation Point Enclosure MT-RJ Plate, Singlemode/Multimode
CPT-00042	180080075	6 Port Consolidation Point Enclosure SC Plate, Singlemode
CPT-00043	180080076	6 Port Consolidation Point Enclosure SC Plate, Multimode



PowerCat Consolidation Point Enclosures

PowerCat Consolidation Point Enclosures feature 6 or 8 shuttered Category 5E modules. Housed in a steel enclosure, incoming cable is protected, but allows ready access to the Consolidation Point to Telecommunication Outlet Links. Designed for easy installation in ceiling voids or under floor, the product is TIA/EIA TSB75 compliant.

- Allows moves, adds and changes without re-terminating and re-testing of cable
- Provides Category 5E performance
- 6 Port & 8 Port Versions Available
- Protected labelling facility
- 568 A/B wiring configuration
- Two enclosures may be interconnected, allowing for expansion

Order No.	SAP No.	Description
CPT-00022	180080070	6 Port PowerCat Consolidation Point Enclosure UTP 568A/B - Graphite Grey
CPT-00023	0180080063	8 Port PowerCat Consolidation Point Enclosure UTP 568A/B - Graphite Grey
Accessories		
CPT-00034	0180080059	Consolidation Point Enclosure Base - Unloaded
CPT-00035	180080071	Consolidation Point Enclosure Plate - 6 Port
CPT-00038	180080072	Consolidation Point Enclosure Plate - 8 Port

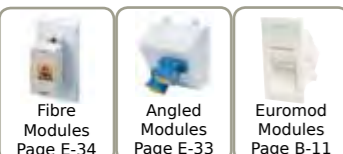


MMI Enclosure

- Wall mounted units for storing and protecting optical fibre
- Holds 1.5m of up to 12 fibres 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 Fibre Modules
- Accommodates PowerCat Euromod 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



Fibre Modules
Page E-34

Angled Modules
Page E-33

Euromod Modules
Page B-11

Media Configurable Solutions

Frequently, the need arises to integrate multiple media types within the one cabling system. It is becoming common for example for UTP, fibre optics, audio and video media to be used in the same environment.

To support these situations, Molex has designed a range of wiring closet and work area products, which accommodate UTP, fibre optics, audio and video media types using modular designs.



Category 5E Feed Through Adapters

Category 5E Feed through modules are versatile modules for unique applications where pre-connected cables must be mated.

25 x 50mm modules are designed for use within Molex's USO II systems of wallplates.

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

Order No.	SAP No.	Description
ADA-00003	0180060065	Standard Keystone Category 5E 8 wire Feed Through Adapter - Black
MUS-00091-02	0182050038	25x50mm Category 5E Dual Feed Through Module - White



Work Area Solutions Page K-4

Audio & Video Modules

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

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



Order No.	SAP No.	Description
MSY-00002-0*	Consult Molex	Single Position F Video Module
MSY-00032-0*	Consult Molex	Single Position S Video Coupler Module
MSY-00033-R*	Consult Molex	Single Position RCA Coupler Red Module
MSY-00033-W*	Consult Molex	Single Position RCA Coupler White Module
MSY-00033-Y*	Consult Molex	Single Position RCA Coupler Yellow Module
MSY-00036-0*	Consult Molex	Single Position BNC Coupler Module

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



Work Area Solutions Page K-1

Media Configurable Patch Panel

Molex's 16 Port configurable panel provides an unloaded panel that can be loaded with Molex's range of MOD-Clip jacks.

Configurable patch panels are designed to be loaded with individual jacks allowing for easy maintenance if jacks have to be removed or replaced. Suitable for small installations with the feature of expanding for future upgrades.

- 16 Ports 1U
- Standard 19" rack mount
- Unloaded MOD-Clip Aperture
- Universal front labelling system that accepts 13mm commercial labels for a professional appearance
- Accommodates PowerCat 6 and PowerCat UTP MOD-Clip jacks

Order No.	SAP No.	Description
17.014G	0182080055	16 Port Media Configurable Patch Panel, MOD-Clip Aperture - Unloaded, 1U



MOD-Clip Jacks Page B-10

Media Configurable Solutions



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

Keystone Patch Panel

Molex's Keystone panel provides an unloaded panel that can be loaded with Molex's range of Keystone UTP jacks.

Keystone patch panels are designed to be loaded with individual jacks allowing for easy maintenance if jacks have to be removed or replaced. Suitable for small installations with the feature of expanding for future upgrades.

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



Keystone jacks Page B-11

Order No.	SAP No.	Description
PID-00210	0180810023	24 Port Keystone Patch Panel - Unloaded, 1U

Universal System Patch Panel (USP)

The Universal System Patch Panel (USP) is an unloaded panel that can be loaded with data, fibre or coax modules for applications where a variety of media applications are required.

These field installable patch panels are designed to be loaded with USO II modules allowing for easy maintenance if jacks have to be removed or replaced. Suitable for small and medium installations with the feature of expanding for future upgrades.

- 1U 24 Port
- 2U 32 Port
- 3U 48 Ports
- Standard 19" rack mount
- Accommodates 25x50mm USO II fascias, enabling Category 5E or Category 6 performance - See Page L-4
- Accommodates pre-loaded ST, SC, MT-RJ and LC 25x50mm fibre modules - See Page E-15



Work Area Solutions Page K-4

Order No.	SAP No.	Description
PUS-00008	0180080020	16 Port Universal System Patch Panel - Unloaded, 1U
PUS-00009	0180090006	32 Port Universal System Patch Panel - Unloaded, 2U
PUS-00010	0180090007	48 Port Universal System Patch Panel - Unloaded, 3U

Media Configurable Solutions



Multimedia Tamper Proof Enclosure

The Multimedia Tamper Proof Enclosure provides a 12 or 24 port to-the-desk solution that can be wall or surface mounted. Available in red or white the security enclosure features internal management rings for excess fibre or copper cabling and 25mm knockout holes for easy vertical or horizontal cable entry.

Designed to accept a suite of rear loaded UTP or optical fibre faceplates, the security enclosure has a clear perspex lid and provides a facility for security lugs (sold separately), enabling the user to secure their network.

- Available in 12 and 24 port variants
- Accommodates Molex PowerCat 6 and PowerCat DataGate Jacks
- Accommodate Synergy single Simplex SC, LC, MT-RJ or ST fibre modules
- Low profile for Inconspicuous Network Connecting
- Rear loading jacks to Reduce Tampering
- Tamper proof Clear Cover
- Available in White and Red

Order No.	SAP No.	Description
WFR-00048	0180970081	12 Port Multimedia Tamper Proof Enclosure - Red
WFR-00048-WH	0180970083	12 Port Multimedia Tamper Proof Enclosure - White
WFR-00054-0C	0180970093	24 Port Multimedia Tamper Proof Enclosure - Red
WFR-00054-02	0180970092	24 Port Multimedia Tamper Proof Enclosure - White
Accessories		
WFR-00049	0180970082	6 Port Multimedia Enclosure Faceplate, Unloaded - Red
WFR-00049-WH	0180970084	6 Port Multimedia Enclosure Faceplate, Unloaded - White
WFR-00050	0180970085	12 Port Multimedia Enclosure Faceplate, Shuttered Duplex SC, MM - Red
WFR-00050-WH	0180970086	12 Port Multimedia Enclosure Faceplate, Shuttered Duplex SC, MM - White
WFR-00051	0180970087	12 Port Multimedia Enclosure Faceplate, ST, MM - Red
WFR-00051-WH	0180970088	12 Port Multimedia Enclosure Faceplate, ST, MM - White
WFR-00052	0180970089	12 Port Multimedia Enclosure Faceplate, Shuttered LC, MM - Red
WFR-00052-WH	0180970090	12 Port Multimedia Enclosure Faceplate, Shuttered LC, MM - White
WFR-00055-0C	0180970094	Blank Faceplate - Red
WFR-00055-02	0180970095	Blank Faceplate - White



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WM-12

The WM-12 is a wall-mounted steel enclosure that provides up to 18 fibre ports in a minimum of space. The WM-12 has an integral configurable panel that accepts up to six Euromod modules.

Modules may be mixed for UTP, FTP, optical fibre and coax, making it the most versatile and compact wall mount enclosure for mixed media. Its design also guarantees that all of the media will be protected and proper fibre bend radius is maintained.

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

Order No.	SAP No.	Description
WFR-00018	0180090008	WM12 - Graphite Grey



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Media Configurable Solutions



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Multi User Telecommunications Outlet (MUTO)

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

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

Order No.	SAP No.	Description
CPT-00004	0180080020	Multi User Telecommunications Outlet (MUTO)

Industrial Solutions

Molex's Industrial Solutions are specifically designed for installations within harsh environments. Ideally suited for manufacturing facilities, water treatment plants, transportation hubs and food and beverage facilities, the industrial solution features a unique bayonet latching system that ensures network

performance is constantly maintained.



Shielded Connectors

Enabling side and rear entry termination the connector is housed within a rugged Polyester covering. The connector features a bayonet style latch receptacle for quick and easy connection and proper mating depth. The latching mechanism provides one sealing surface which protects the connector from dust, moisture, dirt, vibration, chemicals, electromagnetic interference and temperature extremes, reducing the likelihood of product failure.

- Category 6
- Side and rear entry termination
- One sealing surface
- Bayonet style latch receptacle
- IP 67 and NEMA 6P ratings
- Suitable for extreme environments
- Water and dust tight for functional integrity
- Potted/ Sealed version available for extra durability
- Provides excellent signal isolation and provides Superior electromagnetic interference (EMI) properties

Order No.	SAP No.	Description
KSJ-000726	Consult	PowerCat 6 Industrial Connector, Shielded Category 6, RJ45, UTP - Black



LC Connector

The LC Industrial Connector is housed within a rugged Polyester covering. The connector features a bayonet style latch receptacle for quick and easy connection and proper mating depth. The latching mechanism provides one sealing surface which protects the connector from dust, moisture, dirt, vibration, chemicals, electromagnetic interference and temperature extremes, reducing the likelihood of product failure.

- Available in Singlemode & Multimode versions
- 100% optically tested to ensure quality performance
- LC connector designed to Telcordia GR-326-CORE
- Suitable for indoor and outdoor applications
- One Sealing Surface
- Bayonet style latch receptacle
- IP 67 and NEMA 6P ratings
- Suitable for extreme environments
- Water and dust tight for functional integrity
- Potted/Sealed version available for extra durability

Order No.	SAP No.	Description
86059-0200	0860590200	LC Industrial Connector, Phosphor Bronze Alignment Sleeve, MM - Black
86059-0210	0860590210	LC Industrial Connector, Zirconia Alignment Sleeve, SM - Black



Industrial Wallplates

- Stainless Steel Robust design
- Low profile for inconspicuous network connecting
- Single Gang - 120mm x 70mm x 11mm
- IP 67 rated

- Totally protected from the ingress of dust
- Protects against temporary immersion in water between 15cm - 1m for 30 minutes
- Accommodates Molex's Industrial Connector

Order No.	SAP No.	Description
WSS-00008	0181260001	1 Port, Industrial Solution Wallplate, RJ45 Aperture - Unloaded
WSS-00009	0181260002	2 Port, Industrial Solution Wallplate, RJ45 Aperture - Unloaded
WSS-00010	0181260003	1 Port, Industrial Solution Wallplate, LC Aperture - Unloaded
WSS-00011	0181260004	2 Port, Industrial Solution Wallplate, LC Aperture - Unloaded

Industrial Solutions



UTP Patch Cords

Available in multiple lengths, the RJ45 plugs are housed within a rugged Polyester covering which features a bayonet style latch receptacle for quick and easy connection and proper mating depth. The latching mechanism provides one sealing surface which protects the plug from dust, moisture, dirt, vibration, chemicals, electromagnetic interference and temperature extremes, reducing the likelihood of product failure.

- Category 6
- One sealing surface
- Bayonet style latch receptacle
- IP 67 and NEMA 6P ratings
- Suitable for extreme environments
- Water and dust tight for functional integrity

Order No.	SAP No.	Description
84702-1***	Consult Molex	PowerCat Industrial Patch Cord, Bayonet RJ45 - Bayonet RJ45, UTP Sheath-Grey, 2m
84702-2***	Consult Molex	PowerCat 6 Industrial Patch Cord, Bayonet RJ45 - RJ45, UTP Sheath-Grey, 2m

*** Replace for Cable Length - 003 = 1m, 005 = 1.5m, 007 = 2m, 010 = 3m



FTP Patch Cords

Available in multiple lengths, the RJ45 plugs are housed within a rugged Polyester covering which features a bayonet style latch receptacle for quick and easy connection and proper mating depth. The latching mechanism provides one sealing surface which protects the plug from dust, moisture, dirt, vibration, chemicals, electromagnetic interference and temperature extremes, reducing the likelihood of product failure.

- Category 6
- One sealing surface
- Bayonet style latch receptacle
- IP 67 and NEMA 6P ratings
- Suitable for extreme environments
- Water and dust tight for functional integrity

Order No.	SAP No.	Description
	Consult Molex	PowerCat 6 Industrial Patch Cord, Bayonet RJ45 - Bayonet RJ45, FTP Sheath-Black, 2m
PCD-00803	Consult Molex	PowerCat 6 Industrial Patch Cord, Bayonet RJ45 - RJ45, FTP Sheath-Black, 2m

*** Replace for Cable Length - 003 = 1m, 005 = 1.5m, 007 = 2m, 010 = 3m



LC Patch Cords

Available in multiple lengths, LC Industrial Patch Cords are housed within a rugged Polyester covering which features a bayonet style latch receptacle for quick and easy connection and proper mating depth. The latching mechanism provides one sealing surface which protects the plug from dust, moisture, dirt, vibration, chemicals, electromagnetic interference and temperature extremes, reducing the likelihood of product failure.

- Available in Singlemode & Multimode versions
- 100% optically tested to ensure quality performance
- LC connector designed to Telcordia GR-326-CORE
- Suitable for indoor and outdoor applications
- One Sealing Surface
- Bayonet style latch receptacle
- IP 67 and NEMA 6P ratings
- Suitable for extreme environments
- Water and dust tight for functional integrity
- Potted/Sealed version available for extra durability

Order No.	SAP No.	Description
91-BPxxxOM1-HH-***	Consult Molex	LC Industrial Patch Cord, OFNP, TB, 12-144 Fibre, 62.5µm OM1 Multimode
91-BPxxxOM2-HH-***	Consult Molex	LC Industrial Patch Cord, OFNP, TB, 12-144 Fibre, 50µm OM2 Multimode
91-BPxxxOM3-HH-***	Consult Molex	LC Industrial Patch Cord, OFNP, TB, 12-144 Fibre, 50µm OM3 Multimode
91-BPxxxOS1-HH-***	Consult Molex	LC Industrial Patch Cord, OFNP, TB, 12-144 Fibre, OS1 Singlemode
91-BRxxxOM1-HH-***	Consult Molex	LC Industrial Patch Cord, OFNR, TB, 12-144 Fibre, 62.5µm OM1 Multimode
91-BRxxxOM2-HH-***	Consult Molex	LC Industrial Patch Cord, OFNR, TB, 12-144 Fibre, 50µm OM2 Multimode
91-BRxxxOM3-HH-***	Consult Molex	LC Industrial Patch Cord, OFNR, TB, 12-144 Fibre, 50µm OM3 Multimode
91-BRxxxOS1-HH-***	Consult Molex	LC Industrial Patch Cord, OFNR, TB, 12-144 Fibre, OS1 Singlemode
91-ICxxxOM1-HH-***	Consult Molex	LC Industrial Patch Cord, OFNR, Indoor/Outdoor, 62.5µm OM1 Multimode
91-ICxxxOM2-HH-***	Consult Molex	LC Industrial Patch Cord, OFNR, Indoor/Outdoor, 50µm OM2 Multimode
91-ICxxxOM3-HH-***	Consult Molex	LC Industrial Patch Cord, OFNR, Indoor/Outdoor, 50µm OM3 Multimode
91-ICxxxOS1-HH-***	Consult Molex	LC Industrial Patch Cord, OFNR, Indoor/Outdoor, OS1 Singlemode

NOTE : Replace xxx with fibre count and *** with the desired length of patch cord

Cable Management Solutions

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.



1 Position Cable Management Panel



Ring Run Panel



Deep Ring Run Panel

1U Horizontal Cable Management 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

Order No.	SAP No.	Description
25.B016G	0180320002	Ring Run Panel, 1U
25.B035G	0180320007	Deep Ring Run Panel, 1U
25.C001G	0180330001	Cable Management Panel, 1U
25.B033G	0180320005	Horizontal/Vertical Ring Run Panel, 1U
25.B034G	0180320006	Deep Horizontal/Vertical Ring Run Panel, 1U
25.B018G	0180310010	Blank Panels, 1U
25.B047G	0180320021	Ring Run Cover, 1U (pack of 6)



Ring Run Panel



Front & Rear Ring Run Panel



2 Position Recessed Double Density Ring Run

2U Horizontal Cable Management 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

Order No.	SAP No.	Description
25.B013G	0180320001	Ring Run Panel, 2U
25.B032G	0180320004	Horizontal/Vertical Ring Run Panel, 2U
25.B031G	0180320003	High Density Ring Run Panel, 2U
25.B058G	0180320008	Recessed Double Density Ring Run Panel, 2U
25.B059G	0180320019	Front and Rear Ring Run Panel, 2U
25.B019G	0180310011	Blank Panels, 2U
25.B046G	0180320023	Ring Run Cover, 2U (pack of 6)



Double Density Ring 1U Side Ring Deep



Rear Ring Double Density Side Ring

Cable Management Rings

- Cable Management Rings are designed to speed cable dressing during an installation or change and to provide an organised format for system maintenance. Ideal for use with the Molex Open Bay Rack or Omega Rack distribution frames.
- Side & Rear management rings available
 - Provides vertical cable management on a rack or wall
 - Plastic Rings: Black Lexan 943A-701
 - Metal Rings: 1/4" Steel rod with black powdercoat

Order No.	SAP No.	Description
CMA-00010	0181050018	Double Density Side Ring
CMA-00015	0181050019	1U Side Ring
CMA-00016	181050020	1U Side Ring Deep
CMA-00017	181050021	2U Side Ring
25.B0254	0180310012	Rear Ring
25.C0015B	Consult Molex	Double Density Cable Management Ring
25.C0016B	Consult Molex	Shallow Density Cable Management Ring

Cable Management Solutions



Open Bay Rack

The Open Bay Rack provides central placement of communications cabling and equipment. The rack features 42 rack mounting positions, each 1 1/4" in height. Cross bracing is provided for top and bottom. The Open Bay design provides easy access for installation and maintenance. Incoming cables are terminated on the back, separating them from cross connects on the front.

- Mounting holes: EIA spaced #12-24 on both front and rear flanges 42 rack mounting positions
- Panel Space: 1956mm x 483mm (77"H x 19"W)
- Accommodates Molex Cable Management Rings
- Accommodates Molex Vertical Cable Rack Managers
- RoHS compliant

Order No.	SAP No.	Description
RAA-00002	0180310026	Open Bay Rack
RAA-00350	181040010	800mm Four Post Kit for use with RAA-00002 Open Bay Rack
RAA-00294	181040009	1000mm Four Post Kit for use with RAA-00002 Open Bay Rack



Vertical Rack Manager (VRM)

Used in conjunction with the Molex 42U, 19 inch Open Bay Rack, or equivalent, the VRM provides a robust and efficient way of managing cables and patch cords. It's ergonomic design ensures the necessary support for bundled patch cords, moving them from panels to the frame, maintaining bend radii at all times. Cable routing is flexible, and rapid re-routing can be achieved via the Quick Fit cable spools. Quick snap finger guides enable flexible equipment management, and allow for expansion from 1U to whatever size required.

- Fits EIA standard 19" open bay racks
- Allows for upgrading current installations while maintaining current investment in hardware
- Maximises building Infrastructure
- Excels in space utilisation, by increasing density and freeing up valuable floor space
- Strong & flexible polycarbonate finger guides
- Robust but light-weight construction holds cables perfectly aligned against each individual patch panel maintaining critical bend radii
- Snap grooved finger guides allow easy modification to 2/3 U configuration. With replacements finger guides ensures ongoing flexibility for future fit-out requirements
- Cable retainers click on to the end of finger guides, ideal for holding cables horizontally in place while undertaking maintenance
- A quick lock door allows for fast easy access by allowing instantaneous left or right door opening with flush mounted handles
- Quick fit spool which allows easy single handed fit and removal of spools saving time and effort
- The design allows flexibility in fit out with additional spools and door kits available



2U Horizontal Cable Manager



Cable Retainer



Spools

Order No.	SAP No.	Description
CMA-00083	0181050000	12" Vertical Rack Cable Manager - Front/Back & Front Door
CMA-00084	0181050001	8" Vertical Rack Cable Manager - Front/Back & Front Door
CMA-00085	0181050006	1U Horizontal Cable Manager
CMA-00087	0181050006	2U Horizontal Cable Manager
CMA-00088	0181050012	12" Vertical Cable Retainer - 5 Pack
CMA-00089	0181050013	Spools - 2 Pack
CMA-00090	0181050014	Finger Guides - 5 Pack
CMA-00091	0181050015	12" Door Kit
CMA-00092	0181050016	8" Door Kit
CMA-00096	0181050017	8" Vertical Cable Retainer - 5 Pack

Work Area Solutions



MOD-Clip™ Wallplates

- 115mm x 75mm
- Low profile for inconspicuous network connecting
- Rear loading to reduce tampering
- Top Fascia Locking Tabs - for easy removal of front plate simply push tabs on side of top fascia with small flat blade screw-driver
- Connector Locking Tabs - for easy removal of connector from base plate, once connector has been snapped into base plate
- Accommodates UTP & FTP MOD-Clip DataGate jacks

Order No.	SAP No.	Description
WPJ-00031-02	0181280008	1 Port MOD-Clip 115 x 75mm Wallplate
WPJ-00032-02	0181280009	2 Port MOD-Clip 115 x 75mm Wallplate
WPJ-00033-02	0181280010	4 Port MOD-Clip 115 x 75mm Wallplate
WPJ-00040-02	Consult Molex	3 Port MOD-Clip 115 x 75mm Wallplate



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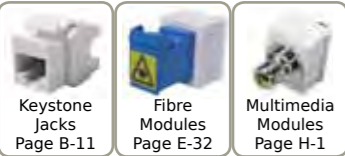


Synergy™ Wallplates

- Single Gang - 120mm x 70mm x 11mm
- Double Gang - 117.5mm x 120.7mm x 10.9mm
- Low profile for inconspicuous network connecting
- Clear concise labelling
- Rear loading to reduce tampering
- Angled version to ensure proper cable bend radius
- Accommodates PowerCat and PowerCat 6 UTP & FTP DataGate jacks
- Accommodates SC, LC, ST and MT-RJ single bezel fibre modules
- Accommodates Media Configurable modules

Order No.	SAP No.	Description
WSY-00001-0*	Consult Molex	6 Port Synergy Wallplate - Unloaded
WSY-00002-0*	Consult Molex	4 Port Synergy Wallplate - Unloaded
WSY-00003-0*	Consult Molex	3 Port Synergy Wallplate - Unloaded
WSY-00005-0*	Consult Molex	4 Port Angled Synergy Wallplate - Unloaded
WSY-00006-0*	Consult Molex	2 Port Angled Synergy Wallplate - Unloaded
WSY-00015-0*	Consult Molex	12 Port Double Gang Synergy Wallplate - Unloaded
WSY-00016-0*	Consult Molex	10 Port Double Gang Synergy Wallplate - Unloaded
WSY-00017-0*	Consult Molex	8 Port Double Gang Synergy Wallplate - Unloaded
KSJ-00005-0*	Consult Molex	Single Blank Module (Bag of 25)

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



Keystone Jacks
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Synergy™ Surface Mount Box

- The Shielded PowerCat Synergy Surface Box is ideal for use in open office cabling. The attractive contemporary design comes complete with the DataGate shuttered shielded connector. 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

Order No.	SAP No.	Description
SBX-00009-02	Consult Molex	PowerCat 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



Keystone Jacks
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Work Area Solutions

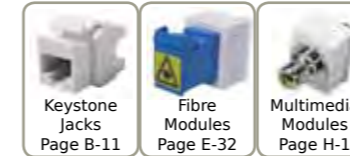


DataGate Version

MOD-Clip Version

Synergy™ 86mm x 86mm Wallplates

- Single Gang - 86mm x 86mm
- Low profile for inconspicuous network connecting
- Clear concise labelling
- Rear loading to reduce tampering
- Available in five colours
- Accommodates UTP & FTP DataGate jacks
- Accommodates UTP & FTP MOD-Clip DataGate jacks
- Accommodates SC, LC, ST and MT-RJ single bezel fibre modules
- Accommodates Media Configurable modules



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MOD-Clip Jacks
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Order No.	SAP No.	Description
WSY-00012-0*	Consult Molex	1 Port 86 x 86mm Synergy DataGate Wallplate - Unloaded
WSY-00009-0*	Consult Molex	1 Port 86 x 86mm Synergy MOD-Clip Wallplate - Unloaded
WSY-00013-0*	Consult Molex	2 Port 86 x 86mm Synergy DataGate Wallplate - Unloaded
WSY-00010-0*	Consult Molex	2 Port 86 x 86mm Synergy MOD-Clip Wallplate - Unloaded
WSY-00014-0*	Consult Molex	4 Port 86 x 86mm Synergy DataGate Wallplate - Unloaded
WSY-00011-0*	Consult Molex	4 Port 86 x 86mm Synergy MOD-Clip Wallplate - Unloaded

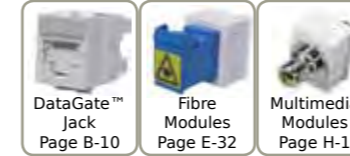
* Colour Options - 1 = Almond, 2 = White, 4 = Black, 5 = Ivory, 8 = Light Grey



DataGate™ Jack Wallplate

- Single Gang - 86mm x 86mm
- Low profile for inconspicuous network connecting
- Clear concise labelling
- Rear loading to reduce tampering
- Accommodates UTP & FTP DataGate jacks
- Accommodates SC, LC, ST and MT-RJ single bezel fibre modules
- Accommodates Media Configurable modules

Order No.	SAP No.	Description
WPJ-00034-02	0181280011	86 x 86mm 1 Port DataGate Jack Wallplate, Shuttered, White - Unloaded
WPJ-00035-02	0181280012	86 x 86mm 2 Port DataGate Jack Wallplate, Shuttered, White - Unloaded
WPJ-00036-02	0181280013	86 x 86mm 3 Port DataGate Jack Wallplate, Shuttered, White - Unloaded
WPJ-00037-02	0181280014	86 x 86mm 4 Port DataGate Jack Wallplate, Shuttered, White - Unloaded
WPJ-00038-02	Consult Molex	86 x 86mm Port DataGate Jack Wallplate, White- Unloaded



DataGate™ Jack
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Multimedia Modules
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Keystone Jack Wallplate

- Single Gang - 86mm x 86mm
- Low profile for inconspicuous network connecting
- Clear concise labelling
- Rear loading to reduce tampering
- Accommodates Keystone jacks

Order No.	SAP No.	Description
WPJ-00025-02	0181280006	86 x 86mm 1 Port Keystone Jack Wallplate, Shuttered, White - Unloaded
WPJ-00026-02	0181280007	86 x 86mm 2 Port Keystone Jack Wallplate, Shuttered, White - Unloaded



Keystone Jacks
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Streamline Stainless Steel Wallplates

- Low profile for inconspicuous network connecting
- Clear concise labelling
- Rear loading to reduce tampering
- UL Approved
- Accommodates UTP & FTP DataGate jacks
- Accommodates SC, LC, ST and MT-RJ single and dual bezel fibre modules
- Accommodates Media Configurable modules

Order No.	SAP No.	Description
WPJ-00007-0*	Consult Molex	1 Port Plastic Streamline Wallplate - Unloaded
WPJ-00008-0*	Consult Molex	2 Port Plastic Streamline Wallplate - Unloaded
WPJ-00009-0*	Consult Molex	3 Port Plastic Streamline Wallplate - Unloaded
WPJ-00010-0*	Consult Molex	4 Port Plastic Streamline Wallplate - Unloaded
WPJ-00011-0*	Consult Molex	4 Port 1U Plastic Streamline Wallplate - Unloaded
WPJ-00012-0*	Consult Molex	1 Port Plastic Streamline Wallplate



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



K



Streamline Stainless Steel Wallplates

- Low profile for inconspicuous network connecting
- Clear concise labelling
- Rear loading to reduce tampering
- Robust design
- UL Approved
- Accommodates UTP & FTP DataGate jacks
- Accommodates SC, LC, ST and MT-RJ single and dual bezel fibre modules
- Accommodates Media Configurable modules

Order No.	SAP No.	Description
WSS-00001	0184000551	1 Port Stainless Steel Streamline Wallplate - Unloaded
WSS-00002	0184000316	2 Port Stainless Steel Streamline Wallplate - Unloaded
WSS-00003	0184000552	3 Port Stainless Steel Streamline Wallplate - Unloaded
WSS-00004	0184000553	4 Port Stainless Steel Streamline Wallplate - Unloaded
WSS-00006	0184000554	6 Port Stainless Steel Streamline Wallplate - Unloaded



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



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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

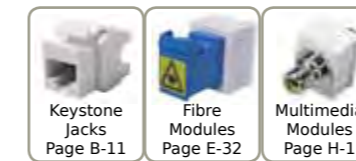
Order No.	SAP No.	Description
WGB-00001-02	0181770083	Contura Single Gang Wallplate (includes grid plate), White - Unloaded
WGB-00002-02	0181770084	Contura Double Gang Wallplate (includes grid plate), White - Unloaded
MGB-00002-02	0181770216	Contura Blank Module



USO II™ Wallplate & Bezel

- Single Gang - 114mm x 70mm x 15mm
- Double Gang - 114mm x 114mm x 15mm
- Low profile for inconspicuous network connecting
- Clear concise labelling
- Four colours available
- Single and double port bezels available
- Fascia - 25mm x 50mm x 6mm
- Flexible and versatile method of installation
- Accommodates DataGate jacks
- Accommodates SC, LC, ST and MT-RJ single and dual bezel fibre modules
- Accommodates Media Configurable modules

Order No.	SAP No.	Description
WUS-00001-0*	Consult Molex	USO II Single Gang Bezel, Alpha Icons - Unloaded
WUS-00002-0*	Consult Molex	USO II Double Gang Bezel, Alpha Icons - Unloaded
WUS-00003-0*	Consult Molex	USO II Single Gang Bezel, Telcom Icons - Unloaded
WUS-00004-0*	Consult Molex	USO II Double Gang Bezel, Telcom Icons - Unloaded
Accessories		
MUS-00057-0*	Consult Molex	USO II Single Port Fascia - Unloaded (bag of 25)
MUS-00058-0*	Consult Molex	USO II Double Port Fascia - Unloaded (bag of 25)
MUS-00059-0*	Consult Molex	USO II Module Blank (bag of 20)



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

Tools and Testers

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



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™, MOD-Clip™ 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, MOD-Clip and Keystone jacks) or the C6A Termination Head (for termination of the C6A shielded DataGate and MOD-Clip jacks) is fitted.

- Designed specifically for the DataGate, MOD-Clip, 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

Operation is uncomplicated and efficient. The jack is placed over the four cables 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 cables that are firmly and accurately seated and neatly trimmed, in one simple operation.

Order No.	SAP No.	Description
31.0011	Consult Molex	4 Pair Termination Tool Frame
31.0012	Consult Molex	Termination Head UTP
31.0013	Consult Molex	Termination Head C6A



110 Punchdown Termination Tool

Termination Tool

Molex termination tools are designed to provide a reliable connection at a highly competitive price. Originally developed to support the Molex KATT connector, termination tools are also compatible with other industry standard IDC formats including 110 and LSA+. It offers low-impact force termination, which reduces strain on the installer.

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



Data & Voice Cabling Termination Tool

Order No.	SAP No.	Description
31-001	0180380001	110 Punchdown Termination Tool
31-001-1	0180380002	Replacement 110 Punchdown Blade
DCN-00009	0182030009	Data & Voice Cabling 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 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
- Available in UTP and FTP version

Order No.	SAP No.	Description
33-100	0180390001	SLT3 UTP Tester (Master and Slave Units) with 9 Volt battery
33.B0020	0180390005	SLT3 UTP Tester with Carry Case
33A-100-10	0180390011	SLT3S Tester (Master and Slave Units) with 9 Volt battery

Order No. Reference

Order No.	SAP No.	Description	Page	Order No.	SAP No.	Description	Page
Part No.	SAP No.	Description	Page No.	KSJ-00062-**	Consult Molex	PowerCat 6A Jack RJ45 568A/B Shielded	B-3
IMS-00100	183240000	MIIM 576 Channel Scanner	A-1	KSJ-00073-**	Consult Molex	PowerCat 6A Side Entry Jack Shielded	B-3
IMS-00101	183240008	MIIM 96 Channel Scanner	A-1	MGB-00006-02	183010004	PowerCat 6A Angled Contura RJ45 Module, 568A/B - White	B-4
PID-00221	183200000	MIIM Category 6, 1U 24 Port Patch Panel 568A/B	A-1	PID-00258	180810031	PowerCat 24 Port DataGate Patch Panel, Unloaded UTP or Shielded - 1U	B-4, B-8, B-13, H-2
PID-00231	183210000	MIIM Category 6A, 1U 24 Port Patch Panel 568A/B	A-1	PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U	B-4, B-8, B-13, H-2
PID-00235	183200002	MIIM Category 6, 1U Angled 24 Port Patch Panel 568A/B	A-1	PID-00260	180810033	PowerCat 48 Port DataGate Patch Panel, Unloaded UTP or Shielded - 2U	B-4, B-8, B-13, H-2
RFR-00300	183230000	MIIM SM 24P Duplex LC Fibre Patch Panel	A-1	PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U	B-4, B-8, B-13, H-2
RFR-00301	183230001	MIIM MM 24P Duplex LC Fibre Patch Panel	A-1	KSJ-00005-0*	Consult Molex	Single Position Blank Module (Bag of 25)	B-4, B-8, B-13, H-2, K1
91.PP3A2.00100		MIIM OFPC LC-LC DUP MM OM3 LS0H, 3mm - 1m	A-2	MEU-00065-02	183010005	PowerCat 6A Angled Euromod II RJ45 Module, 568A/B - White	B-4
91.PP3A2.00200		MIIM OFPC LC-LC DUP MM OM3 LS0H, 3mm - 2m	A-2	MEU-00065-04	183010012	PowerCat 6A Angled Euromod II RJ45 Module, 568A/B - Black	B-4
91.PP3A2.00300		MIIM OFPC LC-LC DUP MM OM3 LS0H, 3mm - 3m	A-2	MEU-00070-**	Consult Molex	PowerCat 6A Angled Side Entry Euromod II Module, RJ45 568A/B, Shielded	B-4
91.PP3A2.00500		MIIM OFPC LC-LC DUP MM OM3 LS0H, 3mm - 5m	A-2	MMS-00017-02	183010003	PowerCat 6A Angled MOD-SNAP III RJ45 Module, 568A/B - White	B-5
91.PP3A2.01000		MIIM OFPC LC-LC DUP MM OM3 LS0H, 3mm - 10m	A-2	MMS-00017-04	183010011	PowerCat 6A Angled MOD-SNAP III RJ45 Module, 568A/B - Black	B-5
91.PP5A2.00100		MIIM OFPC LC-LC DUP MM OM2 LS0H, 3mm - 1m	A-2	MMS-00019-**	Consult Molex	PowerCat 6A Angled Side Entry MOD-SNAP III Module RJ45 568B, Shielded	B-5
91.PP5A2.00200		MIIM OFPC LC-LC DUP MM OM2 LS0H, 3mm - 2m	A-2	CAA-00076	181440011	PowerCat 6 4 Pair PVC Cable, Blue, CM Rated, 305m Reel in a Box	B-6
91.PP5A2.00300		MIIM OFPC LC-LC DUP MM OM2 LS0H, 3mm - 3m	A-2	CAA-00176	181440012	PowerCat 6 4 Pair PVC Cable, Grey, CM Rated, 305m Reel in a Box	B-6
91.PP5A2.00500		MIIM OFPC LC-LC DUP MM OM2 LS0H, 3mm - 5m	A-2	CAA-00267	182080413	PowerCat 6 4 Pair LS0H Cable, Purple, CM Rated, 305m Reel in a Box	B-6
91.PP5A2.01000		MIIM OFPC LC-LC DUP MM OM2 LS0H, 3mm - 10m	A-2	CAA-00335	181740038	PowerCat 6 Outdoor Premise Cable	B-6
91.PP6A2.00100		MIIM OFPC LC-LC DUP MM OM1 LS0H, 3mm - 1m	A-2	CAA-00340	Consult Molex	PowerCat 6 Pair U/UTP Gel Filled OSP Cable PE(UV)/Nylon Sheathed	B-6
91.PP6A2.00200		MIIM OFPC LC-LC DUP MM OM1 LS0H, 3mm - 2m	A-2	PCD-00464-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 4m	B-6
91.PP6A2.00300		MIIM OFPC LC-LC DUP MM OM1 LS0H, 3mm - 3m	A-2	PCD-00465-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 6m	B-6
91.PP6A2.00500		MIIM OFPC LC-LC DUP MM OM1 LS0H, 3mm - 5m	A-2	PCD-00466-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 8m	B-6
91.PP6A2.01000		MIIM OFPC LC-LC DUP MM OM1 LS0H, 3mm - 10m	A-2	PCD-00467-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 10m	B-6
91.PP8A2.00100		MIIM OFPC LC-LC DUP SM OS1 LS0H, 3mm - 1m	A-2	PCD-00468-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 20m	B-6
91.PP8A2.00200		MIIM OFPC LC-LC DUP SM OS1 LS0H, 3mm - 2m	A-2	PCD-00469-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 30m	B-6
91.PP8A2.00300		MIIM OFPC LC-LC DUP SM OS1 LS0H, 3mm - 3m	A-2	PCD-00470-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 40m	B-6
91.PP8A2.00500		MIIM OFPC LC-LC DUP SM OS1 LS0H, 3mm - 5m	A-2	CPT-00032	180080065	PowerCat 6 6 Port Consolidation Point Enclosure RJ45 568B UTP	B-7
91.PP8A2.01000		MIIM OFPC LC-LC DUP SM OS1 LS0H, 3mm - 10m	A-2	CPT-00033	180080073	PowerCat 6 8 Port Consolidation Point Enclosure RJ45 568B UTP	B-7
IMA-00101	183250003	MIIM 96 Channel PP License	A-2	CPT-00039	180080062	Consolidation Point Enclosure Plate - 6 Port	B-7
IMA-00102	183250004	MIIM Server Application License	A-2	CPT-00040	180080060	Consolidation Point Enclosure Plate - 8 Port	B-7
IMM-00102	183250005	MIIM Server Support/Maintenance	A-2	PCD-02000-**	Consult Molex	PowerCat 6 Patch Cord U/UTP, LS0H - 0.5m	B-7
IMT-00100	183220000	MIIM Category 6 Outlet Terminator (pack of 24)	A-2	PCD-02001-**	Consult Molex	PowerCat 6 Patch Cord U/UTP, LS0H - 1m	B-7
IMT-00101	183220001	MIIM Category 6A Outlet Terminator (pack of 24)	A-2	PCD-02002-**	Consult Molex	PowerCat 6 Patch Cord U/UTP, LS0H - 1.5m	B-7
IMM-00101	183250002	MIIM 96 Channel PP License Software Maintenance	A-2	PCD-02003-**	Consult Molex	PowerCat 6 Patch Cord U/UTP, LS0H - 2m	B-7
CAA-0322L-VL	183020011	PowerCat 6A U/FTP LS0H Cable, Violet - 500m	B-1	PCD-02005-**	Consult Molex	PowerCat 6 Patch Cord U/UTP, LS0H - 3m	B-7
PCD-07000-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 1m	B-1	PCD-02009-**	Consult Molex	PowerCat 6 Patch Cord U/UTP, LS0H - 5m	B-7
PCD-07001-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 2m	B-1	PCD-02013-**	Consult Molex	PowerCat 6 Patch Cord U/UTP, LS0H - 7m	B-7
PCD-07002-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 3m	B-1	PCD-02019-**	Consult Molex	PowerCat 6 Patch Cord U/UTP, LS0H - 10m	B-7
PCD-07004-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 5m	B-1	AFR-00440	Consult Molex	Adapter Plate 3x PowerCat DataGate unloaded	B-7, B-12
PCD-07006-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 7m	B-1	CPT-00034	180080059	Consolidation Point Enclosure Base - Unloaded	B-7, G-1, G-2
PCD-07009-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded, LS0H - 10m	B-1	CSP-00032	Consult Molex	Label holder kit (Bag of 10)	B-8
PCD-07054-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 4m	B-1	PID-00141	182040009	24 Port Patch Panel RJ45 568A/B UTP C6 - 1U	B-8
PCD-07055-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 6m	B-1	PID-00142	182040010	48 Port Patch Panel RJ45 568A/B UTP C6 - 2U	B-8
PCD-07056-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 8m	B-1	PID-00156	182080297	PowerCat 6 24 Port Angled Patch Panel RJ45 568A/B UTP - 1U	B-8
PCD-07057-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 10m	B-1	PID-00157	182080299	PowerCat 6 48 Port Angled Patch Panel RJ45 568A/B UTP - 2U	B-8
PCD-07058-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 20m	B-1	CSP-00022-**	Consult Molex	Data 6-Pack Icons (Bag of 10)	B-8, B-10, B-13
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PCD-07060-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 40m	B-1				
AFR-00441	Consult Molex	Adapter Plate 3x PowerCat 6A DataGate (with grounding screws) unloaded	B-2				
CAA-00360	Consult Molex	Category 7A S/FTP Cable, 4 Pairs 1.2GHz LS0H, Violet - 500m reel	B-2				
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PID-00218	182960001	PowerCat 6A 24 Port Angled Patch Panel 568A/B Shielded - 1U	B-2				
PID-00219	182960002	PowerCat 6A 48 Port Patch Panel 568A/B Shielded - 2U	B-2				
PID-00220	182960003	PowerCat 6A 48 Port Angled Patch Panel 568A/B Shielded - 2U	B-2				
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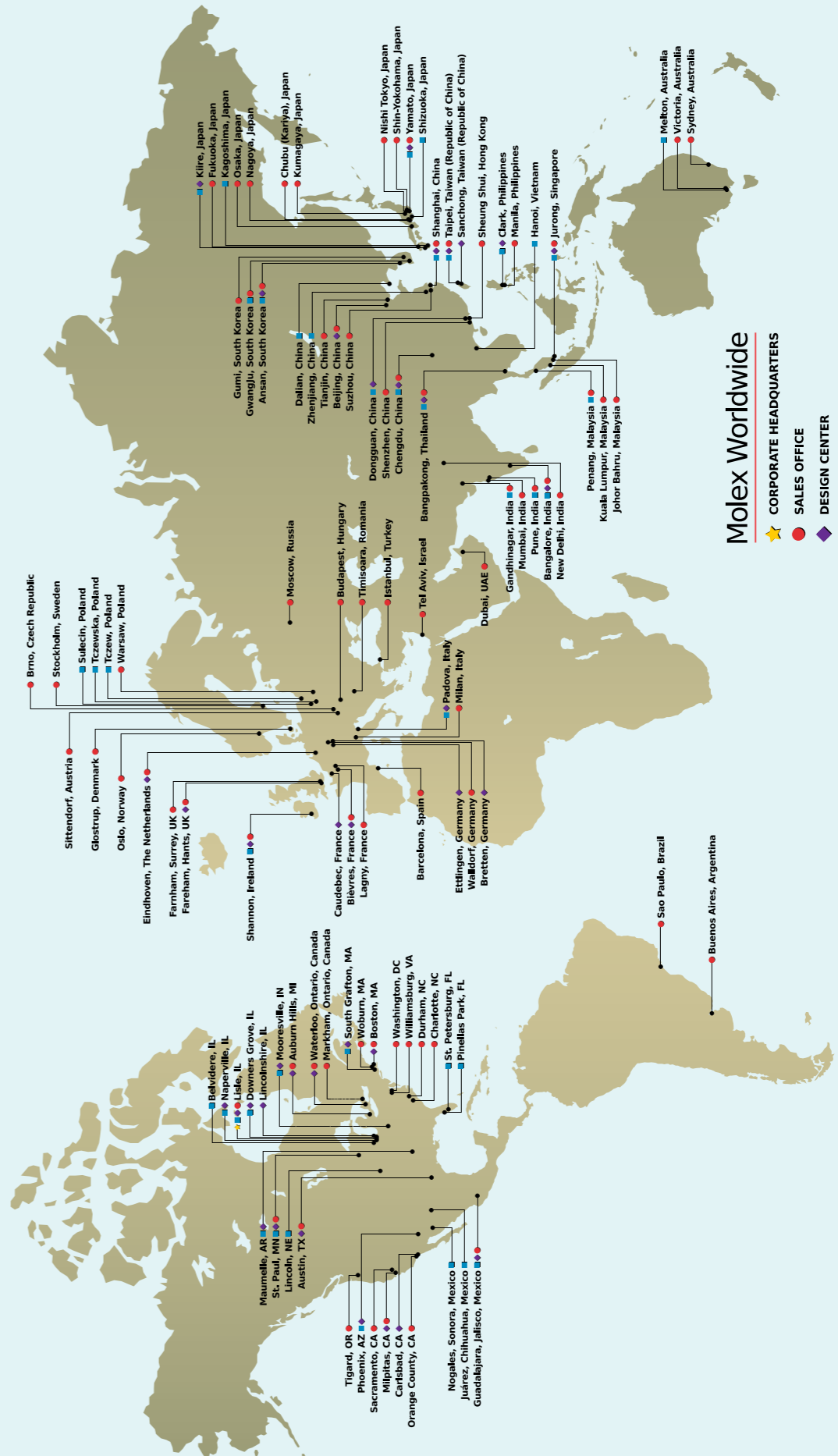
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MSY-00129-0N-01	182630011	Keyed Orange LC Duplex Synergy Single Module - Almond	E-32
MSY-00129-0A-01	182630012	Keyed Aqua LC Duplex Synergy Single Module - Almond	E-32
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MEU-00009-02	181210016	Angled Shuttered Duplex SC Module, Multimode - 2 Adapters	E-33
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17.A0182	182620006	25 x 50mm Duplex SC-ST Module, Multimode - 1 Adapter	E-34
17.A0192	182620007	25 x 50mm Duplex SC-ST Module, Singlemode - 1 Adapter	E-34
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MEU-00069-0H	182630010	Keyed LC Duplex 25 x 50 Angled Bezel - Blue	E-34
MEU-00069-0N	182630011	Keyed LC Duplex 25 x 50 Angled Bezel - Orange	E-34
MEU-00069-0A	182630012	Keyed LC Duplex 25 x 50 Angled Bezel - Aqua	E-34
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