EMEA 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

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 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.

Bringing Advanced Physical Layer Lifecycle Management ❯
to Enterprises Worldwide

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/alarming 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, fibre and free space optics that connect businesses to their mission critical applications.

Infrastructure Deployment Services
As demonstrated infrastructure experts, MPN leverages our know-how in LAN cabling to provide a suite of solutionbased services which deliver value to Owners and Business Partners. 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. Additionally, MPN provides Solutions Training on installation practices delivered in a variety of convenient formats, including e-learning, as well as MIIM APLM deployment services.

Whatever your requirement, we have a solution that supports it.
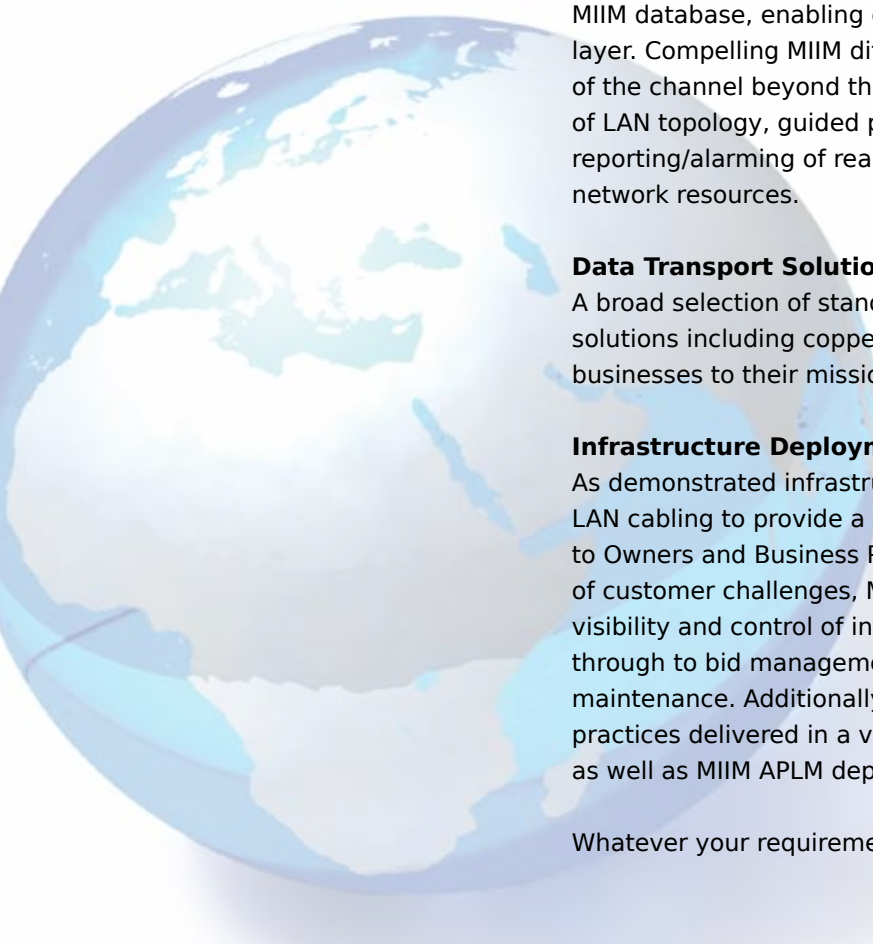
Advanced Physical Layer Management MIIM™

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

PowerCat Patch cords Page B-9

Order No.	SAP No.	Description
IMS-00100	183240000	MIIM 576 Channel Scanner
IMS-00101	183240008	MIIM 96 Channel Scanner

MIIM G2 Patch Panels

MIIM G2 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 used by the MIIM system to track connectivity in the patch zone and work area. LED status indicators on the panel show status of connectivity between the panel and the scanner and also provide panel guidance for work orders. Each panel contains 24 MIIM jacks which can be removed from the panel to be terminated individually with standard punch down tools. MIIM panels function as a standard patch panel when not connected to the MIIM system.

- 24 Ports 1U
- 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

Solid Cable Assemblies Page B-10

Order No.	SAP No.	Description
PID-00266	183210020	MIIM G2 Category 6A, 1U, 24 Port Patch Panel 568 A/B
PID-00268	183200013	MIIM G2 Category 6, 1U, 24 Port Patch Panel 568 A/B

MIIM Ready G2 Patch Panels

MIIM Ready G2 Patch Panels are a cost effective solution to provide Category 6 or 6A connectivity while providing an upgrade path to full MIIM capability. The panel as delivered functions as a conventional patch panel and provides the capability to be upgraded to a fully functional MIIM panel with addition of the IMD-00001 MIIM electronics module. Each panel contains 24 MIIM jacks which can be removed from the panel to be terminated individually.

- MIIM Ready panels function as a conventional patch panel as delivered
- MIIM E-module connection with the MIIM scanner is via an industry standard RJ45 patch cord
- Field configurable for 568 A/B
- 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

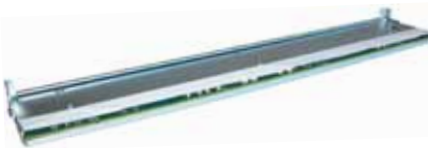Solid Cable Assemblies Page B-10

Order No.	SAP No.	Description
PID-00269	183200014	MIIM Ready G2 Category 6, 1U, 24 Port Patch Panel 568 A/B
PID-00270	183210022	MIIM Ready G2 Category 6A, 1U, 24 Port Patch Panel 568 A/B

Advanced Physical Layer Management
MIIM™

MIIM E2 Intelligent E-Module

The MIIM E2 Intelligent E-Module enables MIIM Ready G2 panels to sense adds, moves, and changes across all 24 ports on the panel. The E-module contains LED's to provide guidance for work orders on MIIM panels. Modules can be easily added to MIIM ready panels to activate full MIIM capabilities. The E-Module contains an RJ45 jack to connect it to the MIIM scanner via a standard patch cord. MIIM Panels with E-modules that are not connected to a MIIM scanner function the same as a standard patch panel.

- MIIM E-Modules provide intelligent management for MIIM G2 panels
- MIIM E-Modules are easily added and removed from any MIIM G2 panel
- LED's supply guidance for work orders and panel status
- MIIM E-modules are powered by the scanner

Order No.	SAP No.	Description
IMD-00001	183240012	MIIM E2 Intelligent E-Module

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

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

Advanced Physical Layer Management
MIIM™

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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

Advanced Physical Layer Management MIIM™ICS

Part of the MIIM solution, MIIM ICS enables the deployment of an intelligent solution to an existing network immediately without impacting on restricted budget or crucial resources. Businesses can easily integrate intelligent capabilities with this simple to use solution.

MIIM ICS can transform any businesses in any sector, offering all the benefits of an intelligent advanced physical layer managed network without the hassle.

MIIM ICS 1 Gigabit 24 Port Patch Panel

MIIM ICS G2 1 Gigabit Patch Panels are used within the MIIM System. Each 1U 24 Port Patch Panel includes an E-module with one data bus connection port located on the E-module. The data bus connection port connects the panel to the MIIM scanner via a standard RJ45 patch cord.

MIIM ICS panels are installed in front of existing panels. Each MIIM ICS jack has a pigtail that connects the MIIM ICS port to the corresponding port on the panel in the rack. Threaded standoffs are included with the panel to mount the MIIM ICS panel in front of the patch panel in the rack.

- Power Status LED's indicate connection and communication with the MIIM Scanner
- Port Status LED's provide guidance to complete work orders
- MIIM E-module connection with the MIIM scanner is via an industry standard RJ45 patch cord
- Jacks are field configurable for 568 A/B
- Mounting standoffs available for ANSI and metric hardware
- MIIM ICS panels attach directly to existing patch panels

Order No.	SAP No.	Description
PID-00271	183200015	MIIM ICS G2 1GB UTP 24 Port Patch Panel Metric
PID-00272	183210023	MIIM ICS G2 1GB FTP 24 Port Patch Panel Metric
PID-00273	183200016	MIIM ICS G2 1GB UTP 24 Port Patch Panel US
PID-00274	183210024	MIIM ICS G2 1GB FTP 24 Port Patch Panel US

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)
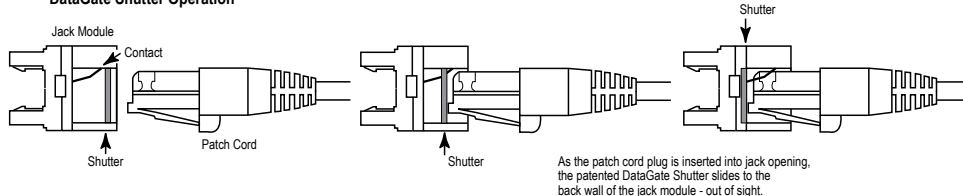
PowerCat 6A DataGate™ Shielded Jack

The DataGate Jack is the cornerstone of the Molex Premise Networks PowerCat 6A System. The product offers superior alien crosstalk suppression, excellent insertion loss protection and enhanced electromagnetic interference (EMI) protection. Protection is provided by utilising a robust die-cast zinc alloy connector body housing.

This shielded jack features a unique spring-loaded shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The product is dual colour coded for either 568A or 568B wiring schedules and is backwards compatible with Shielded C6 and C5e systems. Also available in side entry variation, ideal for use in work area outlet applications with limited back box space.

- 360° Shielded RJ45 Jack
- Robust die-cast zinc alloy housing
- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented spring-loaded shutter
- RJ-11 compatible
- Accepts colour coded port identification labels
- Supplied with all C6A patch panels and wall outlets
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side
- 100% factory tested
- RoHS compliant
- Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible

DataGate Shutter Operation

As the patch cord plug is inserted into jack opening, the patented DataGate Shutter slides to the back wall of the jack module - out of sight.

4 Pair Termination Tool Page J-1

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

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

molex

Copper Solutions
PowerCat™ 6A
Shielded

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 3 x PowerCat 6A DataGate (with grounding screws) unloaded

PowerCat 6A Shielded Patch Panels

PowerCat 6A Patch Panels feature 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	182960001	PowerCat 6A 24 Port Angled Patch Panel 568A/B Shielded - 1U
PID-00220	182960003	PowerCat 6A 48 Port Angled Patch Panel 568A/B Shielded - 2U
Accessories		
CSP-00021-**	Consult Molex	Blank Connector Icon Labels 6-Pack

** 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

PowerCat 6A Consolidation Point Enclosure

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

Copper Solutions PowerCat™ 6A Shielded

The PowerCat 6A system is ETL tested and verified by Intertek for Category 6A compliance to TIA/EIA-568 C.2 and ISO/IEC 11801:2002/ Amend 1:2008

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-snag slim strain relief slip on boots.

- 4 pair 26AWG shielded stranded copper cable
- Pre-terminated with RJ45 plugs
- Slim clear anti-snag slip on boots
- Suitable for EIA 568A/B wiring applications
- LS0H sheath
- 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 - 1m
PCD-07001-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 2m
PCD-07002-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 3m
PCD-07004-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 5m
PCD-07006-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 7m
PCD-07009-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 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.

PowerCat 6A Solid Cable Assemblies

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

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

Order No.	SAP No.	Description
PCD-07054-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 4m
PCD-07055-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 6m
PCD-07056-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 8m
PCD-07057-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 10m
PCD-07058-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 20m
PCD-07059-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 30m
PCD-07060-VL	Consult Molex	PowerCat 6A Shielded Solid Cable Assembly, LS0H, Violet - 40m

PowerCat 6A U/FTP Cable

- Supports high speed data network applications such as 10-Gigabit Ethernet (10GBASE-T)
- Enhanced performance individually screened 4 pair U/FTP LS0H cable
- Minimises alien crosstalk, provides excellent signal isolation and provides superior electromagnetic interference (EMI) protection.

- ETL verified to TIA/EIA-568-B.2-10 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 LS0H Cable, Violet - 500m
CAA-0334-VL	Consult Molex	PowerCat 6A U/FTP LS0H Cable, IEC 60332-3, Violet - 500m

Copper Solutions
PowerCat™ 6A
Shielded

Category 7 Cable

Category 7 S/FTP Cable (each pair has individual shield plus a common shield for the cable made of tinned copper braid) is a complementary product for shielded PowerCat 6 and PowerCat 6A (with limitations) systems.

The cable is suitable for horizontal cabling in high speed data transmission networks as well as vertical cabling for data. Small outer diameter, high flexibility and superior electrical performance are key features of the product.

- Transmission performance C7 in a 1-600MHz range as per IEC 61156-5
- Provides significant margins for NEXT, Power Sum NEXT, PowerSum ELFEXT
- Alien NEXT is significantly reduced so it can be used for 10G Application
- Small outer diameter, high flexibility
- 1000m lengths on wooden, fully recyclable reels

Order No.	SAP No.	Description
CAA-00358	Consult Molex	Category 7 S/FTP Cable, 4 Pairs 23AWG LS0H, Violet - 1000m

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 connctor icon labels (part no. CSP-00021-0**).

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

Contura Wallplate Page B-26

Label Kits Page B-27

4 Pair Termination Tool Page J-1

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

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 connctor icon labels (part no. CSP-00021-0**).

- Protected labelling facility
- 25 x 50mm fascia
- Compatible with Euromod wallplates
- Supplied with DataGate C6A jack
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side

Euromod Wallplates Page B-27

Label Kits Page B-27

4 Pair Termination Tool Page J-1

Order No.	SAP No.	Description
MEU-00065-**	0183010005	PowerCat 6A Angled Euromod II Module, RJ45, 568A/B, Shielded
MEU-00070-**	Consult Molex	PowerCat 6A Angled Side Entry Euromod II Module, RJ45 568A/B, Shielded

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

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
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side
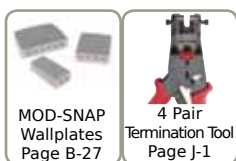
MOD-SNAP
Wallplates
Page B-27

4 Pair
Termination Tool
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Order No.	SAP No.	Description
MMS-00017-**	0183010003	PowerCat 6A Angled MOD-SNAP III Module RJ45, 568A/B, Shielded
MMS-00019-**	Consult Molex	PowerCat 6A Angled Side Entry MOD-SNAP III Module RJ45 568B, Shielded

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

PowerCat 6A Legrand® Compatible Module

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

- Protected labelling facility
- 22.5 x 45mm & 45 x 45mm fascia
- Compatible with Legrand Mosaic™ wallplates (not supplied)
- Supplied with DataGate C6A jack
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side
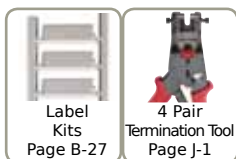
Label
Kits
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4 Pair
Termination Tool
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Order No.	SAP No.	Description
MLG-00030-**	183010006	PowerCat 6A 22.5 x 45mm Legrand compatible Module
MLG-00031-**	183010007	PowerCat 6A 45 x 45mm Legrand compatible Module
MLG-00034-**	Consult Molex	PowerCat 6A 45 x 45mm Side Entry Module RJ45 568A/B
MLG-00035-**	Consult Molex	PowerCat 6A 22.5 x 45mm Side Entry Module RJ45 568A/B

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

PowerCat 6A BTicino Compatible Module

The PowerCat 6A BTicino compatible module is compatible with the BTicino 'Living International' and 'Light' range of wallplates (not supplied). The modules are supplied with a protected label facility and the angled design reduces patch cord bend radius. The product is shipped complete with the shielded C6A DataGate jack. Individual ports may be colour coded for site-specific network administration by fitting connector icon labels (part no. CSP-00021-0**).

- Protected labelling facility
- BTicino 'Living International' wallplate compatible (not supplied)
- Supplied with DataGate C6A jack
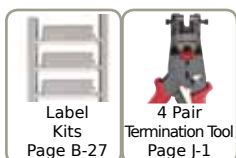
Label
Kits
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4 Pair
Termination Tool
Page J-1

Order No.	SAP No.	Description
MIT-00019-04	183010009	PowerCat 6A BTicino Compatible Module, Shielded - Black

molex

Copper Solutions PowerCat™ 6A Shielded

All of Molex's most popular modules now feature the PowerCat 6A connector. This superior connector features a unique integral shutter that not only protects the connector from dust and contaminants, but its spring-loaded design also ejects improperly seated patch cords.

The PowerCat 6A connector offers 10G channel performance when installed in an end-to-end PowerCat 6A shielded System. Modules are also available in traditional rear or side entry variations, ideal for use in work area outlet applications with limited back box space

PowerCat 6A Tool-less Keystone Shielded Jack

The PowerCat 6A Tool-less Keystone Shielded Jack is designed for installation in systems accepting Keystone standard modules. The jack is terminated without the use of a Punch Down tool. Cables are cut and then pressed into IDC while closing the socket housing. The module is designed for use in two connector permanent link or channel configuration, with the Molex PowerCat 6A DataGate patch panel installed in a distribution closet and keystone modules installed in telecommunications outlets.

- Designed for 360° shielding and protection against electromagnetic interference
- RJ45 Jack
- Easy and fast termination
- Ability to attach the cable in either 568A or B sequence
- Meets TIA/EIA-568-C.2 and Class EA acc. ISO/IEC 11801 (Ed2.2) and EN 50173-1:2009/A1 requirements
- Can be combined with DataGate panels in two connector permanent link or channel configuration

Keystone Wallplates Page B-26

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

PowerCat 6A MOD-Clip™ DataGate™ Jack

The PowerCat 6A MOD-Clip DataGate jack 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. This shielded connector also features a unique spring-loaded shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The shielded connector is dual colour coded for either 568A or 568B wiring schedules.

- ETL Verified
- Robust die-cast zinc alloy housing
- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Spring-loaded shutter
- Available in either traditional rear or side entry variations
- Accepts colour coded port identification labels
- RoHS Compliant
- Designed for use with Molex's MOD-Clip wallplates
- Designed to fit the Clipsal®, HPM® and PDL® system of wallplates

4 Pair Termination Tool Page J-1

Order No.	SAP No.	Description
MMC-00017-**	0183010020	PowerCat 6A MOD-Clip Jack 8W 568A/B Shielded
MMC-00020-**	Consult Molex	PowerCat 6A Side Entry MOD-Clip DataGate Jack, RJ45, 568A/B Shielded

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

PowerCat 6A DIN Module

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

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

Label Kits Page B-27

4 Pair Termination Tool Page J-1

Order No.	SAP No.	Description
WNC-00044-**	Consult Molex	PowerCat 6A 1 Port DIN Module Shielded
WNC-00045-**	Consult Molex	PowerCat 6A 2 Port DIN Module Shielded
WNC-00050-**	Consult Molex	PowerCat 6A Side Entry DIN Module 1 Port DataGate RJ45 568A/B Shielded
WNC-00051-**	Consult Molex	PowerCat 6A Side Entry DIN Module 2 Port DataGate RJ45 568A/B Shielded

** Colour Options - 06 = Almond, 02 = White
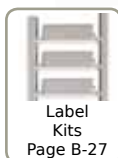
Copper Solutions
PowerCat™ 6A
Shielded

PowerCat 6A Synergy™ Surface Box
The Shielded PowerCat 6A Synergy Surface Box is ideal for use in open office cabling. Synergy Surface Boxes offer simple and organised installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box. Individual ports can also be colour coded for site-specific network administration using connector icon labels.

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

Label
Kits
Page B-27

PowerCat 6A
Shielded Jack
Page B-1
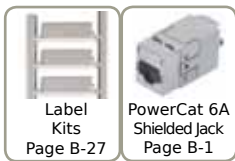
Order No.	SAP No.	Description
SBX-00009-02	Consult Molex	PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded)
SSY-00014-02	181340013	PowerCat 6A 2 Port Synergy Surface Box, Unloaded - White
SSY-00015-02	181340016	PowerCat 6A 4 Port Synergy Surface Box, Unloaded - White
SSY-00016-02	181340019	PowerCat 6A 6 Port Synergy Surface Box, Unloaded - White

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 DataGate™ Jack

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

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

- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented spring-loaded shutter
- RJ-11 compatible
- Accepts colour coded port identification labels
- Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible

DataGate Shutter Operation

As the patch cord plug is inserted into jack opening, the patented DataGate Shutter slides to the back wall of the jack module - out of sight.
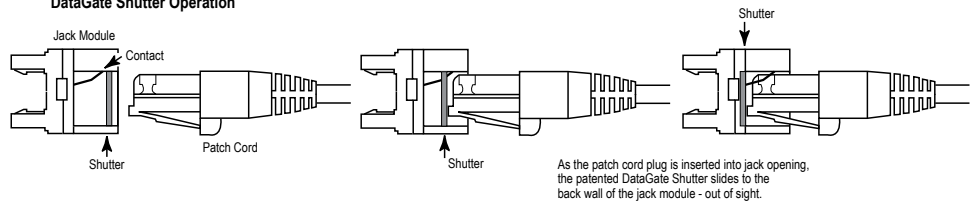
Order No.	SAP No.	Description
KSJ-00018-**	Consult Molex	PowerCat 6 DataGate Jack 8W 568A/B

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

4 Pair Termination Tool Page J-1

PowerCat Unloaded DataGate Panels

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

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

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

* Colour Options - 2 = White, 4 = Black

PowerCat 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 3 x PowerCat DataGate unloaded

1U Multi-Function Enclosure Page E-5

B

Keystone Jack

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

- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Features pointed IDC towers to speed termination and enhance cable retention
- RJ-11 & RJ-12 compatible
- Moulded category identification on jack face
- Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible

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

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

Modular 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	Keystone Patch Panel, 24 port, Unloaded - 1U

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

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

B

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
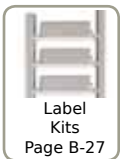
Label Kits Page B-27

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

PowerCat 6 Consolidation Point Enclosures

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

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

PowerCat 6 Solid Cable Assemblies Page B-11

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

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-snag slim strain relief slip on boots.

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

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

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

B

PowerCat 6 U/UTP Cable

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

- Unshielded 4 Pair PVC and LS0H Cable
- Central separator for the reduction of NEXT & ELFEXT
- Colour coded pairs for ease of termination
- Independently tested
- 500m reel and 305m reel in a box

Order No.	SAP No.	Description
CAA-00302	181740038	PowerCat 6 U/UTP 4 Pair Cable PVC, 305m Reel in a Box - Grey
CAA-00305	181740056	PowerCat 6 U/UTP 4 Pair Cable LS0H IEC 60332-1 U/UTP, 305m Reel in a Box - Violet
CAA-00326	181740058	PowerCat 6 U/UTP 4 Pair Cable PVC, 500m Reel - Grey
CAA-00325	181740057	PowerCat 6 U/UTP 4 Pair Cable LS0H IEC 60332-1, 500m Reel - Violet
CAA-376-0H	Consult Molex	PowerCat 6 U/UTP 4 Pair Cable PVC, 305m Reel in a Box - Blue (SA only)
CAA-376-0E	Consult Molex	PowerCat 6 U/UTP 4 Pair Cable PVC, 305m Reel in a Box - Grey (SA only)
CAA-00277-0H	Consult Molex	PowerCat 6 U/UTP 4 Pair Cable PVC, 500m Reel - Blue (SA only)
CAA-00277-0E	Consult Molex	PowerCat 6 U/UTP 4 Pair Cable PVC, 500m Reel - Grey (SA only)
CAA-00318	Consult Molex	PowerCat 6 Cable U/UTP LS0H IEC 60332-3, 500m reel - Violet
CAA-00335-VL	Consult Molex	PowerCat 6 Cable U/UTP LS0H IEC 60332-3, 305m box - Violet

PowerCat 6 Solid Cable Assemblies

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

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

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

Order No.	SAP No.	Description
PCD-00464-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 4m
PCD-00465-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 6m
PCD-00466-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 8m
PCD-00467-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 10m
PCD-00468-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 20m
PCD-00469-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 30m
PCD-00470-0P	Consult Molex	PowerCat 6 U/UTP Solid Cable Patch Cord Assembly LS0H Violet - 40m

B

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)

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

** Colour Options - 02 = White 04 = Black

PowerCat 6 Contura™ Module

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

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

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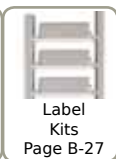
Order No.	SAP No.	Description
MGB-00001-02	0181770082	PowerCat 6 Angled Contura Module RJ45 568A/B UTP - White
MGB-00002-02	0181770216	Contura Module Blank - White

PowerCat 6 Euromod™ II Module

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

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

Euromod
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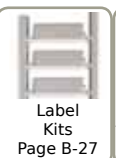
Order No.	SAP No.	Description
MEU-00056-02	0181730016	PowerCat 6 Euromod II Module RJ45 568A/B UTP - White
MEU-00056-04	0181730017	PowerCat 6 Euromod II Module RJ45 568A/B UTP - Black
17-0412-02	0180060060	Euromod Quarter (12.5 x 50mm) Blank - White
17-0413-02	0180060061	Euromod Half (25 x 50mm) Blank - White
17-0414-02	0180060062	Euromod Full (50 x 50mm) Blank - White

B

PowerCat 6 Legrand® Compatible Module

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

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

Label Kits Page B-27

4 Pair Termination Tool Page J-1
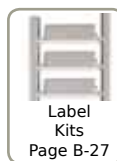
Order No.	SAP No.	Description
MLG-00021-02	188000016	PowerCat 6 22.5 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White
MLG-00024-02	188000068	PowerCat 6 45 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White
16.A0012	180070055	22.5 x 45mm Blank Module - White

PowerCat 6 BTicino Compatible Module

The PowerCat 6 BTicino compatible module is designed to fit the BTicino "Living International" and "Light" range of wallplates. The products are fully assembled units featuring the shuttered DataGate connector. The angled design reduces patch cord bend radius and features a protected labelling facility. Individual ports may be colour coded using a connector icon for site-specific network administration.

- BTicino "Living International" and "Light" bezel compatible
- Shuttered RJ45 DataGate connector
- Protected labelling facility
- Angled fascia

Label Kits Page B-27

4 Pair Termination Tool Page J-1
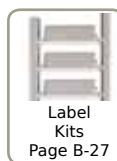
Order No.	SAP No.	Description
MIT-00011-0E	180410068	PowerCat 6 BTicino Compatible Module RJ45 568A/B UTP - Black
MIT-00011-02	180410067	PowerCat 6 BTicino Compatible Module RJ45 568A/B UTP - White

PowerCat 6 DIN Module

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

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

Label Kits Page B-27

4 Pair Termination Tool Page J-1
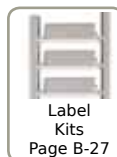
Order No.	SAP No.	Description
WNC-00030-02	180410071	PowerCat 6 1 Port DIN Module RJ45 568A/B UTP - White
WNC-00031-02	180410073	PowerCat 6 2 Port DIN Module RJ45 568A/B UTP - White

Copper Solutions
PowerCat™ 6 UTP

PowerCat 6 MOD-Clip™ DataGate™ Jack

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

- ETL Verified
- Patented spring-loaded shutter prevents incomplete mating
- IDC contacts that flex not fatigue when terminated
- Pointed IDC towers to speed termination and enhance cable retention
- 568 A/B wiring configuration
- Allows rear and side entry cable termination
- RoHS Compliant
- Designed to fit the Clipsal®, HPM® and PDL® system of wallplates

4 Pair
Termination Tool
Page J-1

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

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

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PowerCat 6 Synergy™ Surface Boxes

Synergy Surface Boxes are ideal for use in open office cabling. The attractive contemporary designed product family comprises of 1, 2, 4 and 6 port variants complete with DataGate shuttered connectors. Synergy Surface Boxes offer simple, organised installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box. Individual ports can also be colour coded for site-specific network administration using connector icon labels.

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

Order No.	SAP No.	Description
SBX-00005-02	181770326	PowerCat 6 1 Port Synergy Surface Box RJ45 568A/B UTP - White
SSY-00007-02	181770323	PowerCat 6 2 Port Synergy Surface Box RJ45 568A/B UTP - White
SSY-00008-02	181770324	PowerCat 6 4 Port Synergy Surface Box RJ45 568A/B UTP - White
SSY-00009-02	181770325	PowerCat 6 6 Port Synergy Surface Box RJ45 568A/B UTP - White

Label
Kits
Page B-27

4 Pair
Termination Tool
Page J-1
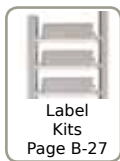
Copper Solutions
PowerCat™ 6 Shielded

The PowerCat 6 FTP System features the FTP DataGate™ Category 6 connector which provides 360° shielded protection by utilising a two piece tin/nickel plated brass can that encloses the RJ45 connector.

Designed to meet or exceed the requirements of current international standards.

PowerCat 6 DataGate Jack

The DataGate Jack is the cornerstone of the Molex Premise Networks PowerCat 6 shielded system pewrformance. The jack provides 360° shielded protection by utilising a two piece tin/nickel plated brass can that encloses the jack.

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 C5e systems.

- ■ 360° shielded RJ45 jack
- ■ 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 PowerCat 6 patch panels and wall outlets
- ■ Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible

Label Kits Page B-27

4 Pair Termination Tool Page J-1

DataGate Shutter Operation

Jack Module — Contact — Shutter — Patch Cord — Shutter — Shutter

As the patch cord plug is inserted into jack opening, the patented DataGate Shutter slides to the back wall of the jack module - out of sight.
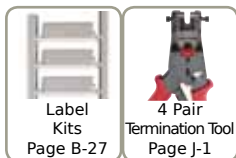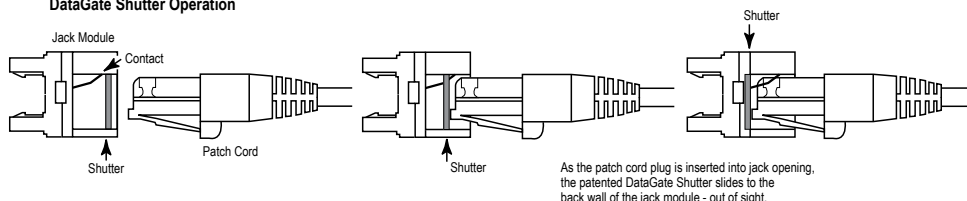
PowerCat 6 Shielded DataGate Patch Panel

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

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

Label Kits Page B-27

4 Pair Termination Tool Page J-1
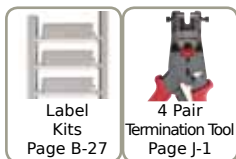
Order No.	SAP No.	Description
PID-00182	0181520015	PowerCat 6 24 Port Patch Panel 568A/B Shielded - 1U

PowerCat 6 F/UTP Cable

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

- ■ Shielded 4 pair PVC and LS0H cable
- ■ Central separator for the reduction of NEXT & ELFEXT
- ■ Colour coded for ease of termination
- ■ 500 metre reel

Order No.	SAP No.	Description
CAA-00161	Consult Molex	PowerCat 6 F/UTP 4 Pair Cable PVC, 500m Reel - Grey
CAA-00251	0181700050	PowerCat 6 F/UTP 4 Pair Cable IEC 332.1 LS0H, 500m Reel - Violet

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Copper Solutions
PowerCat™ 6
Shielded

PowerCat 6 Shielded Patch Cords

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

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

Order No.	SAP No.	Description
PCD-04001-**	Consult Molex	PowerCat 6 Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 1m
PCD-04003-**	Consult Molex	PowerCat 6 Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 2m
PCD-04005-**	Consult Molex	PowerCat 6 Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 3m
PCD-04009-**	Consult Molex	PowerCat 6 Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 5m
PCD-04013-**	Consult Molex	PowerCat 6 Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 7m
PCD-04019-**	Consult Molex	PowerCat 6 Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 10m

* Colour Options - 0C=Red, 0E=Grey, 0H=Blue, 0J=Green, 0K=Yellow

PowerCat 6 Shielded Tool-less Keystone Jack

The PowerCat 6 Shielded Tool-less Keystone Jack is designed for installation in systems accepting Keystone standard modules. The module is terminated without the use of a Punch Down tool. Cable is cut and then pressed into IDC while closing the socket housing. The module is designed for use in two connector permanent link or channel configuration, with the PowerCat 6 shielded DataGate patch panel installed in a distribution closet and keystone modules installed in telecommunications outlets.

- Designed for 360° shielding and protection against electromagnetic interference
- RJ45 Jack
- Easy and fast termination
- Ability to attach the cable in either 568A or B sequence
- Meets TIA/EIA-568-C.2:2009 and Class E acc. EN 50173-1:2011 and ISO/IEC 11801:2011 (Ed2.2) requirements
- Can be combined with DataGate panels in two connector permanent link or channel configuration

Keystone
Wallplates
Page B-26

Order No.	SAP No.	Description
KSJ-00078	Consult Molex	PowerCat 6 Tool-less Keystone Jack, RJ45, 568A/B, Shielded

PowerCat 6 Shielded MOD-SNAP™ III Module

The PowerCat 6 shielded angled MOD-SNAP III Module is ideal for floor box applications. The product is a fully assembled unit featuring the shuttered shielded DataGate connector in a 38.5 x 25mm fascia (BT6C size). The angled design reduces patch cord bend radius particularly in shallow floor-box applications. The angled MOD-SNAP III module can also be used in the MOD-SNAP range of wallplates.

- 38.5 x 25mm fascia
- 360° shielded shuttered RJ45 DataGate module
- Protected labelling facility
- Floor box and wallplate compatible
- Angled fascia

MOD-SNAP
Wallplates
Page B-27

Order No.	SAP No.	Description
MMS-00015-02	Consult Molex	PowerCat 6 Angled MOD-SNAP III Module RJ45 568A/B Shielded - White
MMS-00014-02	181170009	MOD-SNAP Module Blank - White

Copper Solutions
PowerCat™ 6
Shielded

PowerCat 6 Shielded Contura™ Modular Wall Outlets

Molex's Contura modular wall outlet range was designed to combine aesthetics with functionality. Its contemporary design is ideal for the modern office and provides the user with the flexibility of installing as many modules as required. The shielded Contura module features the shielded RJ45 DataGate™ connector, which provides 360° shielded protection by utilising a two piece tin/nickel plated brass can that encloses the RJ45 IDC. The angled design of the module reduces patch cord bend radius. Individual ports may be colour coded for site-specific network administration by fitting connector icon labels.

- ■ Contemporary Design
- ■ Single and Double Gang Wallplates
- ■ 360° shielded shuttered RJ45 DataGate module
- ■ Protected labelling facility
- ■ Module & Blank - 50 x 22mm

Contura
Wallplate
Page B-26

Label
Kits
Page B-27

4 Pair
Termination Tool
Page J-1

Order No.	SAP No.	Description
MGB-00003-02	0181770215	PowerCat 6 Angled Contura Module RJ45 568A/B Shielded - White
MGB-00002-02	0181770216	Contura Module Blank - White

PowerCat 6 Shielded Euromod™ II Module

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

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

Euromod
Wallplates
Page B-27

Label
Kits
Page B-27

4 Pair
Termination Tool
Page J-1

Order No.	SAP No.	Description
MEU-00058-02	0181790002	PowerCat 6 Angled Euromod II RJ45 568A/B Shielded - White
MEU-00058-04	0181790003	PowerCat 6 Angled Euromod II RJ45 568A/B Shielded - Black

PowerCat 6 Shielded Legrand® Compatible Module

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

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

Label
Kits
Page B-27

4 Pair
Termination Tool
Page J-1

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

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Copper Solutions
PowerCat™ 6
Shielded

PowerCat 6 Shielded BTicino Compatible Module

The PowerCat 6 Shielded BTicino compatible module is designed to fit the BTicino "Living International" and "Light" range of wallplates. Each module is a fully assembled unit featuring the shuttered shielded DataGate connector. The angled design reduces patch cord bend radius and features a protected labelling facility. Individual ports may be colour coded using a connector icon for site-specific network administration.

- BTicino "Living International" and "Light" bezel compatible
- 360° shielded shuttered RJ45 DataGate connector
- Protected labelling facility
- Angled fascia

Label Kits Page B-27

4 Pair Termination Tool Page J-1
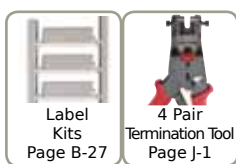
Order No.	SAP No.	Description
MIT-00014-0E	Consult Molex	PowerCat 6 BTicino Compatible Module RJ45 568A/B Shielded - Black
MIT-00014-02	Consult Molex	PowerCat 6 BTicino Compatible Module RJ45 568A/B Shielded - White

PowerCat 6 Shielded DIN Module

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

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

Label Kits Page B-27

4 Pair Termination Tool- Page K-1

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

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

PowerCat 6 Synergy™ Surface Box

The Shielded PowerCat 6 Synergy Surface Box is ideal for use in open office cabling. The attractive contemporary design comes complete with a DataGate shuttered shielded connector. Synergy Surface Boxes offer simple, organised installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box. Individual ports can also be colour coded for site-specific network administration using connector icon labels.

For 2, 4 and 6 port versions please refer to unloaded Synergy Surface Boxes on Page B-7

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

Label Kits Page B-27

4 Pair Termination Tool Page J-1

Synergy Surface Boxes Page B-7

Order No.	SAP No.	Description
SBX-00008-02	181770218	PowerCat 6 1 Port Synergy Surface Box RJ45 568A/B Shielded - White

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 DataGate™ Jack

The DataGate Jack is the cornerstone of the Molex Premise Networks PowerCat 5e System performance.

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

- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented spring-loaded shutter
- RJ-11 compatible
- Accepts colour coded port identification labels
- Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible

4 Pair Termination Tool Page J-1

DataGate Shutter Operation

Jack Module

Contact

Shutter

Patch Cord

Shutter

Shutter

Shutter

As the patch cord plug is inserted into jack opening, the patented DataGate Shutter slides to the back wall of the jack module - out of sight.
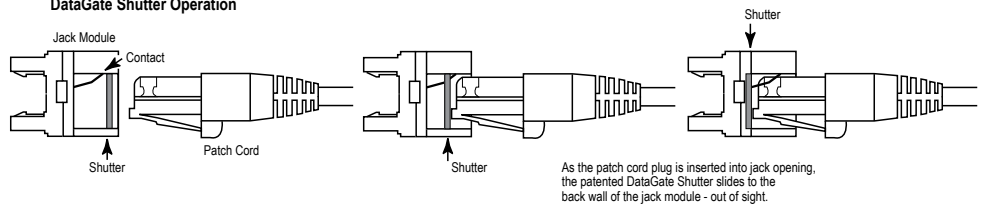
Order No.	SAP No.	Description
KSJ-00024-**	Consult Molex	PowerCat 5e DataGate Jack 8W 568A/B

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

PowerCat 5e DataGate™ Patch Panel

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

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

Label Kits Page B-27

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

PowerCat Unloaded DataGate Panels

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

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

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

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

molex

Copper Solutions
PowerCat™ 5e UTP

Keystone Jack

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

- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Features pointed IDC towers to speed termination and enhance cable retention
- RJ-11 & RJ-12 compatible
- Moulded category identification on jack face

Keystone
Wallplate
Page B-26

4 Pair
Termination Tool
Page J-1

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

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

Modular Keystone Patch Panel

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

The patch panel features an integral rear cable management tray for ease of installation and cable dressing. 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	Keystone Patch Panel, 24 Port, Unloaded - 1U
KSJ-00064-**	Consult Molex	Keystone Blank

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

PowerCat Standard Grade Patch Panels

PowerCat Standard Grade Patch Panels are a cost effective and versatile means for connecting horizontal cabling. Featuring an integral rear cable management tray for ease of installation and cable dressing. Port labelling is also featured for site-specific network administration.

- 24 Ports 1U
- PCB mounted KATT IDC
- EIA 568B wired
- Standard 19" rack mounted
- Integral cable management tray
- Graphite grey finish

Order No.	SAP No.	Description
PID-00058	181530012	PowerCat 5e 24 Port Patch Panel RJ45 568B UTP - 1U

B

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

Label Kits Page B-27

Order No.	SAP No.	Description
PID-00154	0182020245	PowerCat 5e 24 Port Angled Patch Panel RJ45 568A/B UTP - 1U
PID-00155	0182080295	PowerCat 5e 48 Port Angled Patch Panel RJ45 568A/B UTP - 2U

PowerCat UTP High Density Patch Panel

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

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

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

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

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

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

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

Copper Solutions
PowerCat™ 5e UTP

PowerCat U/UTP Cable

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

- ■ U/UTP 4 pair PVC and LS0H cable
- ■ Colour coded for ease of termination
- ■ Independently tested
- ■ 305 metre box

Order No.	SAP No.	Description
39.A0360	181770242	PowerCat 5e 4 Pair PVC Cable U/UTP, 305m Box - Grey
39-504-5e	Consult Molex	PowerCat 5e 4 Pair LS0H Cable IEC 332.1 U/UTP, 305m Box - Violet
CAA-00274-0H	Consult Molex	PowerCat 5e 4 Pair PVC Cable, 305m Reel in a Box - Blue (SA only)
CAA-00274-0E	Consult Molex	PowerCat 5e 4 Pair PVC Cable, 305m Reel in a Box - Grey (SA only)
CAA-00375-0H	Consult Molex	PowerCat 5e 4 Pair PVC Cable, 500m Reel - Blue (SA only)
CAA-00375-0E	Consult Molex	PowerCat 5e 4 Pair PVC Cable, 500m Reel - Grey (SA only)

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

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

** Blank Colour Options - 02 = White 04 = Black
*Module Colour Options - 2 = White 4 = Black

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

Euromod
Wallplates
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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

B

PowerCat UTP Legrand® Compatible Module

The 22.5 x 45mm and 45 x 45mm modules have been designed specifically to be compatible with the Legrand Mosaic™ range of 45 x 45mm bezels. The modules or a single module and a blank feature the RJ45 RJLP connector, designed to support C5e data transmission systems.

- ■ Legrand mosaic bezel compatible
- ■ Enhanced performance RJ45 connector
- ■ EIA 568B wired
- ■ 22.5 x 45mm & 45 x 45mm

Order No.	SAP No.	Description
MLG-00001-02	182990003	PowerCat 5e 45 x 45mm Angled Legrand Compatible Module RJ45 568B UTP - White
MLG-00002-02	0188000021	PowerCat 5e 22.5 x 45mm Legrand Compatible Module RJ45 568B UTP - White
16.A0012	180070055	22.5 x 45mm Blank Module - White

PowerCat UTP DIN 49075 Module

The PowerCat DIN Module has been designed for compatibility with the 50 x 50mm DIN 49075 standard. The product is a fully assembled unit featuring a fascia, complete with 2 PowerCat RJLP RJ45 connectors protected by spring-loaded shutters.

- ■ Busch Jaegar®, Peha®, Jung®, Gira®, Niko® bezel compatible
- ■ Two Ports protected by spring-loaded shutters
- ■ Category 5e RJLP RJ45 Connectors
- ■ EIA 568B wired

Order No.	SAP No.	Description
WNC-00020-02	Consult Molex	PowerCat 5e 2 Port DIN Module RJ45 568B UTP - White
WNC-00020-06	Consult Molex	PowerCat 5e 2 Port DIN Module RJ45 568B UTP - Almond

PowerCat UTP Synergy™ Surface Boxes

Synergy Surface boxes are ideal for use in open office environments. This product family comprises of 1, 2, 4 and 6 port variants offering simple, organised installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box.

- ■ Simple, organised cable entry and installation
- ■ Screw fixing
- ■ Clear and concise labelling
- ■ 568A/B wired
- ■ DataGate Jacks included

Order No.	SAP No.	Description
SBX-00006-02	Consult Molex	PowerCat 5e 1 Port Synergy Surface Box RJ45 568A/B UTP - White
SSY-00010-02	181770327	PowerCat 5e 2 Port Synergy Surface Box RJ45 568A/B UTP - White
SSY-00011-02	181770328	PowerCat 5e 4 Port Synergy Surface Box RJ45 568A/B UTP - White
SSY-00012-02	181770329	PowerCat 5e 6 Port Synergy Surface Box RJ45 568A/B UTP - White

Label Kits Page B-27
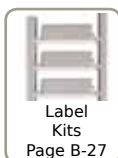
Copper Solutions PowerCat™ 5e Shielded

Molex's Category 5e Shielded product range, PowerCat™, is designed to meet or exceed requirements of all current international standards.

The product range offers backwards compatibility with Category 5 systems, with enhanced performance.

PowerCat Shielded Patch Panel

The 24 Port Shielded Patch Panel offers through-shield continuity and is a versatile method of connecting horizontal cabling in a shielded environment.

- 24 Port 1U
- 568A/B wired
- Integral rear cable management
- Port identification
- 19" rack mounted
- Graphite Grey finish

Order No.	SAP No.	Description
PID-00030	181430008	PowerCat 5e 24 Port Patch Panel with Cover 568A/B Shielded - 1U

PowerCat Shielded Patch Cords

Molex PowerCat 5e Patch Cords are designed to support high speed networks. The patch cable is made from high quality four pair 26 AWG stranded copper wire. Available in a range of colours and lengths, PowerCat 5e patch cords are pre- terminated with RJ45 plugs and feature anti-snag slim strain relief slip on Boots.

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

Order No.	SAP No.	Description
PCD-03001-*	Consult Molex	PowerCat 5e Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 1m
PCD-03003-*	Consult Molex	PowerCat 5e Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 2m
PCD-03005-*	Consult Molex	PowerCat 5e Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 3m
PCD-03009-*	Consult Molex	PowerCat 5e Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 5m
PCD-03013-*	Consult Molex	PowerCat 5e Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 7m
PCD-03019-*	Consult Molex	PowerCat 5e Patch cord, F/UTP, RJ45, 568B, Stranded, LS0H - 10m

* Colour Options - 0C=Red, 0E=Grey, 0H=Blue, 0J=Green, 0K=Yellow

PowerCat F/UTP Cable

PowerCat F/UTP 4 pair cable with overall shield and drain-wire is available in PVC, LS0H IEC 332.1 variants. Available in 305m boxes.

- 4 pair PVC or LS0H Cable
- Colour coded pairs for ease of termination
- 305m easy spool box

Order No.	SAP No.	Description
39A-504-FT	Consult Molex	PowerCat 5e 4 Pair Cable PVC F/UTP - 305m Box, Yellow
39A-504-LS	Consult Molex	PowerCat 5e 4 Pair Cable LS0H F/UTP IEC 332.1 - 305m Box, Violet

Copper Solutions
PowerCat™ 5e
Shielded

PowerCat Shielded MOD-SNAP™ Module

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. The modules are fully assembled units featuring the low profile Category 5e RJ45 RJLP connector, a 38.5 x 25mm fascia (BT6C size), shutter and spring assembly.

Molex's Category 5e RJLP RJ45 connector offers a low profile, space saving design that enables installation in shallow backboxes and trunking. The shielded connector provides continuity of the cable shield by providing a termination point for the drain wire.

- 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
- EIA 568B wired

MOD-SNAP
Wallplates
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Order No.	SAP No.	Description
MMS-00004-**	182160000	MOD-SNAP RJLP Module RJ45 568B FTP Category 5e - White

** Colour Options - 02 = White 04 = Black

PowerCat Shielded Euromod™ Modules

The PowerCat Euromod modular system provides a flexible and versatile method of installation. This modular system offers a range of wallplates and modules that allow the user to install as many data outlets as required. The modules are fully assembled units featuring the low profile Category 5e RJLP connector and a 25 x 50mm fascia, shutter and spring assembly.

Molex's Category 5e RJLP RJ45 connector offers a low profile, space saving design that enables installation in shallow backboxes and trunking. The shielded connector provides continuity of the cable shield by providing a termination point for the drain wire.

- Enhanced performance RJ45 RJLP connector
- Space saving low profile design enables installation in shallow backboxes and trunking
- Spring-loaded shutter
- Compatible with Euromod wallplates
- EIA 568B wired

Euromod
Wallplates
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Order No.	SAP No.	Description
MEU-00020-02	0181900002	Euromod RJLP Module RJ45 568B FTP Category 5e - White

PowerCat Shielded Legrand® Compatible Module

The 22.5 x 45mm and 45 x 45mm modules have been designed specifically to be compatible with the Legrand Mosaic™ range of Legrand bezels. Molex's Legrand compatible modules feature an enhanced performance Category 5, RJ45 RJLP connector. The shielded connector provides continuity of the cable shield by providing a termination point for the drain wire.

- Legrand Mosaic bezel compatible
- Category 5e RJ45 connector
- EIA 568B wired

Order No.	SAP No.	Description
MLG-00004-02	182990001	22.5 x 45mm Legrand Compatible Module 568B Shielded Category 5e - White
MLG-00005-02	182990002	45 x 45mm Legrand Compatible Module 568B Shielded Category 5e - White

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Copper Solutions
Wallplates

Fixed Wallplates

Fixed wallplates are ideal for space-limited areas such as power-poles and desk-top trunking, or areas where an unchanging number of ports are to be installed and modularity is not required.

The wallplates are a complete assembly and include the patented RJLP RJ45 connector, offering a low profile, space saving design that enables installation in shallow backboxes and trunking.

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

Order No.	SAP No.	Description
WNC-00007-02	0182080074	PowerCat 5e 1 Port Fixed Shuttered Wallplate RJ45 568B UTP - White
WNC-00008-02	0182080046	PowerCat 5e 2 Port Fixed Shuttered Wallplate RJ45 568B UTP - White
WNC-00009-02	0182080127	PowerCat 5e 4 Port Fixed Shuttered Wallplate RJ45 568B UTP - White

Keystone™ Jack Wallplates

Unloaded Keystone Wallplates are available in 1 or 2 port variants and are designed specifically to accept jacks that fit the Keystone profile.

The Wallplate kit comes complete with screws, individual installation labelling and shutters for protection against dust ingress. Jacks are sold separately.

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

Keystone
Tool-less Jack
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UTP Keystone
Jack
Pages B-9, B-20

Order No.	SAP No.	Description
WPJ-00025-02	0181280006	Keystone Jack Wallplate, 1 port, 86 x 86mm, shuttered, unloaded - White
WPJ-00026-02	0181280007	Keystone Jack Wallplate, 2 port, 86 x 86mm, shuttered, unloaded - White

Contura™ Wallplates

The Molex Contura modular wall outlet range was designed to combine aesthetics with functionality. The contemporary design of the products is ideal for the modern office and provides the user with the flexibility of installing as many modules as required. Contura wallplates are available as either single or double gang wallplates with a grid-plate and are designed to accept the Contura 50 x 22mm module.

- Contemporary design
- Single and double gang wallplates
- Single gang - 86 x 86mm - external
  50 x 45mm - internal aperture
- Double gang - 86 x 145mm - external
  50 x 90mm - internal aperture

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

Copper Solutions
Wallplates & Label Kits

Euromod™ and MOD-SNAP™ Wallplates and Blanks

The Euromod and MOD-SNAP wallplate systems provide a flexible and versatile method of installation. Available in single and double gang versions the wallplates are designed to accept Euromod (25 x 50mm fascia) and MOD-SNAP (38.5 x 25mm fascia) modular ranges.

- ■ Euromod - 50 x 50mm single gang
50 x 100mm double gang
- ■ Euromod snap-in collar - 1 port & 2 port
- ■ MOD-SNAP - 38.5x25mm aperture - 1, 2 & 4 port
- ■ Flexible system allowing the installation of as many modules as required

Order No.	SAP No.	Description
17-0111-02	180060058	Labelled Single Gang Euromod Wallplate - 86 x 86 x 10mm
17-0112-02	181390002	Labelled Double Gang Euromod Wallplate - 86 x 145 x 10mm
17-0231-02	Consult Molex	Euromod Snap-in Adapter Collar (half) 25mm x 50mm
17-0232-02	Consult Molex	Euromod Snap-in Adapter Collar (full) 50mm x 50mm
42-311-02	0181400006	Single Gang MOD-SNAP 1 Aperture - 86 x 86mm
42-312-02	0181400005	Single Gang MOD-SNAP 2 Aperture - 86 x 86mm
42-314-02	0181400008	Double Gang MOD-SNAP 4 Aperture - 86 x 146mm
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
MMS-00014-**	Consult Molex	MOD-SNAP Module Blank

** Colour Options - 02 = White 04 = Black

Label Kits

CSP-00021

CSP-00022

CSP-00023

Wallplate label holders and Labels

Order No.	SAP No.	Description
35-X002	Consult Molex	Label holder and label pack (100) for Euromod/MOD-SNAP C5e
35-X003	Consult Molex	Label holder and label pack (250) for Euromod Wallplate
35-X004	Consult Molex	Label holder and label pack (100) for C5e Fixed Wallplates
CSP-00031	Consult Molex	Label holder and label pack (20) for DataGate modules
CSP-00038	Consult Molex	Label holder and label pack (100) for Synergy Wallplates and Surface boxes
CSP-00021-**	Consult Molex	Blank Connector Icon Labels 6-Pack
CSP-00022-**	Consult Molex	Data Connector Icon Labels 6-Pack
CSP-00023-**	Consult Molex	Voice Connector Icon Labels 6-Pack

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

Voice 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.

Category 3 Multi-pair U/UTP Cable

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

- Supports telephony voice wiring applications
- 25, 50 and 100 pair Cable
- PVC and LS0H Sheaths
- Colour coded pairs for ease of termination

Order No.	SAP No.	Description
CAA-00341	Consult Molex	Category 3 25 Pair PVC cable - 2km reel
CAA-00342	Consult Molex	Category 3 25 Pair LS0H cable - 2km reel
CAA-00343	Consult Molex	Category 3 50 Pair PVC cable - 2km reel
CAA-00344	Consult Molex	Category 3 50 Pair LS0H cable - 2km reel
CAA-00345	Consult Molex	Category 3 100 Pair PVC cable - 2km reel
CAA-00346	Consult Molex	Category 3 100 Pair LS0H cable - 2km reel
CAA-00379	Consult Molex	Category 3 25 Pair PVC cable - per metre
CAA-00380	Consult Molex	Category 3 25 Pair LS0H cable - per metre
CAA-00381	Consult Molex	Category 3 50 Pair PVC cable - per metre
CAA-00382	Consult Molex	Category 3 50 Pair LS0H cable - per metre
CAA-00383	Consult Molex	Category 3 100 Pair PVC cable - per metre
CAA-00384	Consult Molex	Category 3 100 Pair LS0H cable - per metre

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 (1-2, 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
- 2 or 3 pair variants
- Integral cable management tray
- 19" rack mountable

Order No.	SAP No.	Description
PID-00145	0182040013	50 Port Voice Panel RJ45 UTP 1U - Pairs 3/6, 4/5
PID-00162	Consult Molex	50 Port Voice Panel RJ45 UTP 1U - Pairs 1/2, 3/6, 4/5

Line Adapter Units and Modules

Line Adapter Units allow telecommunications equipment fitted with standard BT telephone plugs to be connected to RJ45 based structured cabling systems.

- Ideal for floorbox applications
- OFTEL GA5 approved
- Converts a direct line to RJ45 cabling system
- Flying lead for flexibility

Order No.	SAP No.	Description
42-111-1A	Consult Molex	Line Adapter Unit RJ45 to BT6L Socket - 150mm Cord (PSTN)
42-111-2A	Consult Molex	Line Adapter Unit RJ45 to BT6L Socket - 150mm Cord (PABX)
42-114	Consult Molex	Line Adapter Unit RJ45 to BT6L Socket - 150mm Cord Secondary
42.A0020	Consult Molex	Line Adapter Unit ISDN Basic Rate - 150mm cord
17.10.012.A0022	Consult Molex	Euromod Line Jack LJLP Module (Mastered) - White
42.10.012.A0012	Consult Molex	MOD-SNAP Secondary Line Jack Low Profile (LJLP) Module
42.10.012.A0022	Consult Molex	MOD-SNAP Master Line Jack Low Profile (LJLP) Module

Voice Solutions

C

Modules - Disconnect and Connection
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.

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.

Order No.	SAP No.	Description
DCN-00001	0182030001	10 Pair Disconnect Module
DCN-00002	0182030002	10 Pair Connection Module
DCN-00006	0182030006	Gas Arrestor Magazine equipped with Tripolar GAT's
DCN-00007	0182030007	Gas Arrestor Magazine without GAT's
DCN-00018-TP	0182030008	Siemens Tripolar Gas Arrestor Tube (GAT) 230V 3 pin
DCN-00080	Consult Molex	8 Pair Category 6 Disconnection Module
DCN-00081	Consult Molex	10 Pair Category 6 Disconnection Module

Back Mount 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.

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.

Order No.	SAP No.	Description
DCN-00003	0182030003	Back Mount Frame, 30 pair (3 module)
DCN-00004	0182030004	Back Mount Frame, 50 pair (5 module)
DCN-00005	0182030005	Back Mount Frame, 100 pair (10 module)
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-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-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

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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	Category 6 4 Pair IDC Connectors (Each)

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	Category 6 96 Pair Base Without Legs (24 Category 6 4 Pair IDC Connectors)
KPD-00079	0181980068	Category 6 96 Pair Base With Legs (24 Category 6 4 Pair IDC Connectors)
KPD-00089	0181980072	Category 6, 96 Pair Base, Without Legs (No Connectors)
KPD-00090	0181980073	Category 6, 96 Pair Base With Legs (No Connectors)

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	Category 6 192 Pair Rack Mount Panel, 3U (96 Category 6 4 Pair IDC Connectors) - Shallow Rings
KPD-00081	Consult Molex	Category 6 192 Pair Rack Mount Panel, 4U (96 Category 6 4 Pair IDC Connectors) - Deep Rings
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

D

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

PDS Wall Mount Frames

Available as a 900 pair PDS, the Wall Mount 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.

■ Rugged steel frame
■ Easily installed
■ Ring runs and cable management accessories available

Order No.	SAP No.	Description
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

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

PDS Solutions
Category 5e

The Category 5e Premise Distribution System comprises 100 or 300 pair Termination Blocks, Rack Mount Panels, 110 Connectors and patch cords. Molex's PDS System is ideal for use in high density environments where space is at a premium and is one of the most cost effective high-density patching systems on the market today.

110 Style Connector

Molex's 110 Style Connector is a high-performance IDC capable of providing all your voice and data interconnect needs.

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

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

Category 5e PDS 100 Pair Termination Blocks

The 100 Pair Blocks are the key component in the wall mount Category 5e PDS System. The solidly constructed unit is compatible with the popular 110 IDC PDS connector. These connectors are colour coded to allow easy identification when installing 25 Pair backbone cable.

- Industry standard wall mount format
- Available with or without mounting legs
- Supplied with label cards and holders
- Features cut-outs for cable routing for easier installation

Order No.	SAP No.	Description
KPD-00026	181980018	100 Pair Termination Block Base (no legs)
KPD-00027	181980019	100 Pair Termination Block Base with legs
KPD-00028	181980020	300 Pair Termination Block
KPD-00053	0181980039	1U Ring Run

Category 5e 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
- 200 pair capacity
- 3U - small cable management rings for low density applications
- 4U - large cable management rings for high density applications

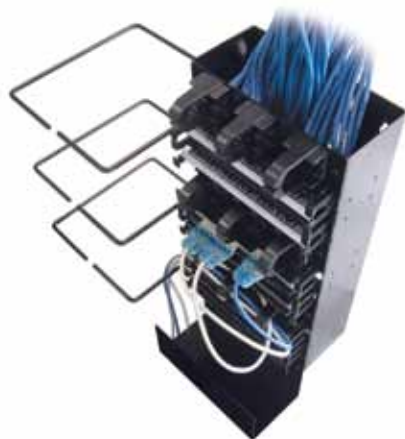| Order No.	SAP No.	Description
36.B040G	0180410015	200 Pair PDS Panel - 3U (no connectors), Shallow Rings
36.B022G	0180410012	200 Pair PDS Panel - 4U (no connectors), Deep Rings
Accessories		
36.B0160	180410008	Purple Designation Labels - Bag of 100
36.B0170	180410009	Grey Designation Labels - Bag of 100
36.B0180	180410010	Blue Designation Labels - Bag of 100
36.B0190	180410011	Brown Designation Labels - Bag of 100

D

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-00050	180420057	1 Pair PDS Patch Cord - 4ft
KPC-00051	180420058	1 Pair PDS Patch Cord - 7ft
KPC-00052	180420059	1 Pair PDS Patch Cord - 10ft
KPC-00053	180420060	1 Pair PDS Patch Cord - 15ft
KPC-00054	Consult Molex	2 Pair PDS Patch Cord - 4ft
KPC-00055	Consult Molex	2 Pair PDS Patch Cord - 7ft
KPC-00056	Consult Molex	2 Pair PDS Patch Cord - 10ft
KPC-00057	Consult Molex	2 Pair PDS Patch Cord - 15ft
KPC-00058	182080109	4 Pair PDS Patch Cord - 4ft
KPC-00059	182080037	4 Pair PDS Patch Cord - 7ft
KPC-00060	180420065	4 Pair PDS Patch Cord - 10ft
KPC-00061	180420066	4 Pair PDS Patch Cord - 15ft
KPC-00062	180420067	4 Pair RJ45 PDS Patch Cord - 4ft
KPC-00063	182080107	4 Pair RJ45 PDS Patch Cord - 7ft
KPC-00064	180420068	4 Pair RJ45 PDS Patch Cord - 10ft
KPC-00065	180420069	4 Pair RJ45 PDS Patch Cord - 15ft
KPC-00125	Consult Molex	1 Pair RJ45 PDS Patch Cord - 4ft
KPC-00126	Consult Molex	1 Pair RJ45 PDS Patch Cord - 7ft
KPC-00127	Consult Molex	1 Pair RJ45 PDS Patch Cord - 10ft
KPC-00128	Consult Molex	1 Pair RJ45 PDS Patch Cord - 15ft
KPC-00129	Consult Molex	2 Pair RJ45 PDS Patch Cord - 4ft
KPC-00130	Consult Molex	2 Pair RJ45 PDS Patch Cord - 7ft
KPC-00131	Consult Molex	2 Pair RJ45 PDS Patch Cord - 10ft
KPC-00132	Consult Molex	2 Pair RJ45 PDS Patch Cord - 15ft

PDS Wall Mount Frames
Available as a 900 pair PDS, the Wall Mount 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.

■ Rugged steel frame
■ Easily installed
■ Ring runs and cable management accessories available

Order No.	SAP No.	Description
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

Fibre Optic Solution Lightband™ Cable

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 - Internal/External Tight Buffered

Molex Fibre Cable is available in multiple cores. Using tight buffered 9/125µm, 50/125µm and 62/125µm distribution grade fibre that either meets or exceeds, OM1, OM2, OM3, OM4, OS1 and OS2 standards.

- Internal or dry/free draining duct installation
- "E glass" yarn strength member
- 900µm secondary coated fibre
- All meet or exceed OS2 Singlemode, OM1, OM2, OM3 and OM4 Multimode standards
- LS0H sheaths

OM1 (62.5/125)	SAP No.	OM2 (50/125)	SAP No.	No. of Cores
CFR-00408	Consult Molex	CFR-00373	Consult Molex	4
CFR-00409	Consult Molex	CFR-00374	Consult Molex	6
CFR-00410	Consult Molex	CFR-00375	Consult Molex	8
CFR-00411	Consult Molex	CFR-00376	Consult Molex	12
CFR-00412	Consult Molex	CFR-00377	Consult Molex	16
CFR-00413	Consult Molex	CFR-00378	Consult Molex	24
		CFR-00599	Consult Molex	36
		CFR-00600	Consult Molex	48
		CFR-00601	Consult Molex	72
		CFR-00602	Consult Molex	96

OM3 (50/125)	SAP No.	OM4 (50/125)	SAP No.	No. of Cores
CFR-00380	Consult Molex	CFR-00584	180580370	4
CFR-00381	Consult Molex	CFR-00585	180580371	6
CFR-00382	Consult Molex	CFR-00586	180580372	8
CFR-00383	Consult Molex	CFR-00587	180580373	12
CFR-00384	Consult Molex	CFR-00588	180580374	16
CFR-00385	Consult Molex	CFR-00589	180580375	24
CFR-00603	Consult Molex	CFR-00607	Consult Molex	36
CFR-00604	Consult Molex	CFR-00608	Consult Molex	48
CFR-00605	Consult Molex	CFR-00609	Consult Molex	72
CFR-00606	Consult Molex	CFR-00610	Consult Molex	96

OS1 & 2 (9/125)	SAP No.	No. of Cores
CFR-00387	Consult Molex	4
CFR-00388	Consult Molex	6
CFR-00389	Consult Molex	8
CFR-00390	Consult Molex	12
CFR-00391	Consult Molex	16
CFR-00392	Consult Molex	24
CFR-00611	Consult Molex	36
CFR-00612	Consult Molex	48
CFR-00613	Consult Molex	72
CFR-00614	Consult Molex	96

Please contact internal sales for SAP numbers.

E

Fibre Optic Solution
Lightband™
Cable

Fibre Cable - Multi-Purpose Loose Tube

Molex multi-purpose fibre optic loose tube cable is suitable for LAN backbones, telecom access lines and campus backbones. The cable is a gel filled central loose tube design with swellable glass yarns as a strength member and rodent protection. The outer jacket is a blue HFFR (halogen free flame retardant) material.

- Loose tube
- Gel filled
- Glass strength member
- HFFR sheath

OM1 (62.5/125)	SAP No.	OM2 (50/125)	SAP No.	No. of Cores
CFR-00564	Consult Molex	CFR-00569	Consult Molex	4
CFR-00565	Consult Molex	CFR-00570	Consult Molex	6
CFR-00566	Consult Molex	CFR-00571	Consult Molex	8
CFR-00567	Consult Molex	CFR-00572	Consult Molex	12
CFR-00568	Consult Molex	CFR-00573	Consult Molex	24

OM3 (50/125)	SAP No.	OM4 (50/125)	SAP No.	No. of Cores
CFR-00574	Consult Molex	CFR-00594	Consult Molex	4
CFR-00575	Consult Molex	CFR-00595	Consult Molex	6
CFR-00576	Consult Molex	CFR-00596	Consult Molex	8
CFR-00577	Consult Molex	CFR-00597	Consult Molex	12
CFR-00578	Consult Molex	CFR-00598	Consult Molex	24

OS2 (9/125)	SAP No.	No. of Cores
CFR-00579	Consult Molex	4
CFR-00580	Consult Molex	6
CFR-00581	Consult Molex	8
CFR-00582	Consult Molex	12
CFR-00583	Consult Molex	24

Fibre Cable - Direct Burial Armoured Loose Tube

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

- Outdoor direct burial
- Corrugated steel armoured
- Rodent resistant
- Gel filled loose tube construction

OM1 (62.5/125)	SAP No.	OM2 (50/125)	SAP No.	No. of Cores
CFR-00537	Consult Molex	CFR-00544	Consult Molex	4
CFR-00538	Consult Molex	CFR-00545	Consult Molex	6
CFR-00539	Consult Molex	CFR-00546	Consult Molex	8
CFR-00540	Consult Molex	CFR-00547	Consult Molex	12
CFR-00541	Consult Molex	CFR-00548	Consult Molex	16
CFR-00542	Consult Molex	CFR-00549	Consult Molex	24

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

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

molex

Fibre Optic Solution
Lightband™
Patch Cords & Pigtails

Fibre Patch Cords
Molex offers a comprehensive range of fibre optic patch cords for Singlemode and Multimode applications. Fibre Patch Cords are available as standard in 1m, 2m, 3m, and 5m lengths.

■ Ruggedised cable construction
■ Insertion loss better than 0.35 dB
■ All meet or exceed OM1, OM2, OM3 and OM4 Multimode and OS2 Singlemode standards

OM1 (62.5/125)	SAP No.	OM2 (50/125)	SAP No.	Description
91.11.672.00100	180590889	91.11.572.00100	180590913	ST/ST DPX, LS0H - 1m
91.11.672.00200	180590890	91.11.572.00200	180590914	ST/ST DPX, LS0H - 2m
91.11.672.00300	180590891	91.11.572.00300	180590915	ST/ST DPX, LS0H - 3m
91.11.672.00500	180590892	91.11.572.00500	180590916	ST/ST DPX, LS0H - 5m
91.19.672.00100	180590893	91.19.572.00100	180590917	ST/SC DPX, LS0H - 1m
91.19.672.00200	180590894	91.19.572.00200	180590918	ST/SC DPX, LS0H - 2m
91.19.672.00300	180590895	91.19.572.00300	180590919	ST/SC DPX, LS0H - 3m
91.19.672.00500	180590896	91.19.572.00500	180590920	ST/SC DPX, LS0H - 5m
91.99.672.00100	180590897	91.99.572.00100	180590921	SC/SC DPX, LS0H - 1m
91.99.672.00200	180590898	91.99.572.00200	180590922	SC/SC DPX, LS0H - 2m
91.99.672.00300	180590899	91.99.572.00300	180590923	SC/SC DPX, LS0H - 3m
91.99.672.00500	180590900	91.99.572.00500	180590924	SC/SC DPX, LS0H - 5m
91.LL.672.00100	180590901	91.LL.572.00100	180590925	LC/LC DPX, LS0H - 1m
91.LL.672.00200	180590902	91.LL.572.00200	180590926	LC/LC DPX, LS0H - 2m
91.LL.672.00300	180590903	91.LL.572.00300	180590927	LC/LC DPX, LS0H - 3m
91.LL.672.00500	180590904	91.LL.572.00500	180590928	LC/LC DPX, LS0H - 5m
91.9L.672.00100	180590905	91.9L.572.00100	180590929	LC/SC DPX, LS0H - 1m
91.9L.672.00200	180590906	91.9L.572.00200	180590930	LC/SC DPX, LS0H - 2m
91.9L.672.00300	180590907	91.9L.572.00300	180590931	LC/SC DPX, LS0H - 3m
91.9L.672.00500	180590908	91.9L.572.00500	180590932	LC/SC DPX, LS0H - 5m
91.1L.672.00100	180590909	91.1L.572.00100	180590933	ST/LC DPX, LS0H - 1m
91.1L.672.00200	180590910	91.1L.572.00200	Consult Molex	ST/LC DPX, LS0H - 2m
91.1L.672.00300	180590911	91.1L.572.00300	Consult Molex	ST/LC DPX, LS0H - 3m
91.1L.672.00500	180590912	91.1L.572.00500	Consult Molex	ST/LC DPX, LS0H - 5m

OM3 (50/125)	SAP No.	OM4 (50/125)	SAP No.	OS2 (9/125)	SAP No.	Description
91.11.372.00100	180590934	91.11.472.00100	Consult Molex	91.11.872.00100	180590955	ST/ST DPX, LS0H - 1m
91.11.372.00200	180590935	91.11.472.00200	Consult Molex	91.11.872.00200	180590956	ST/ST DPX, LS0H - 2m
91.11.372.00300	180590936	91.11.472.00300	Consult Molex	91.11.872.00300	180590957	ST/ST DPX, LS0H - 3m
91.11.372.00500	180590937	91.11.472.00500	Consult Molex	91.11.872.00500	180590958	ST/ST DPX, LS0H - 5m
91.19.372.00100	180590938	91.19.472.00100	Consult Molex	91.19.872.00100	180590959	ST/SC DPX, LS0H - 1m
91.19.372.00200	180590939	91.19.472.00200	Consult Molex	91.19.872.00200	Consult Molex	ST/SC DPX, LS0H - 2m
91.19.372.00300	180590940	91.19.472.00300	Consult Molex	91.19.872.00300	Consult Molex	ST/SC DPX, LS0H - 3m
91.19.372.00500	180590941	91.19.472.00500	Consult Molex	91.19.872.00500	Consult Molex	ST/SC DPX, LS0H - 5m
91.99.372.00100	180590459	91.99.472.00100	Consult Molex	91.99.872.00100	180590960	SC/SC DPX, LS0H - 1m
91.99.372.00200	180590460	91.99.472.00200	Consult Molex	91.99.872.00200	180590961	SC/SC DPX, LS0H - 2m
91.99.372.00300	180590461	91.99.472.00300	Consult Molex	91.99.872.00300	180590962	SC/SC DPX, LS0H - 3m
91.99.372.00500	180590462	91.99.472.00500	Consult Molex	91.99.872.00500	180590963	SC/SC DPX, LS0H - 5m
91.LL.372.00100	180590946	91.LL.472.00100	Consult Molex	91.LL.872.00100	180590964	LC/LC DPX, LS0H - 1m
91.LL.372.00200	180590947	91.LL.472.00200	Consult Molex	91.LL.872.00200	180590965	LC/LC DPX, LS0H - 2m
91.LL.372.00300	180590948	91.LL.472.00300	Consult Molex	91.LL.872.00300	180590966	LC/LC DPX, LS0H - 3m
91.LL.372.00500	180590949	91.LL.472.00500	Consult Molex	91.LL.872.00500	180590967	LC/LC DPX, LS0H - 5m
91.9L.372.00100	180590950	91.9L.472.00100	Consult Molex	91.9L.872.00100	180590968	LC/SC DPX, LS0H - 1m
91.9L.372.00200	180590951	91.9L.472.00200	Consult Molex	91.9L.872.00200	180590969	LC/SC DPX, LS0H - 2m
91.9L.372.00300	180590952	91.9L.472.00300	Consult Molex	91.9L.872.00300	180590970	LC/SC DPX, LS0H - 3m
91.9L.372.00500	180590953	91.9L.472.00500	Consult Molex	91.9L.872.00500	180590971	LC/SC DPX, LS0H - 5m
91.1L.372.00100	180590954	91.1L.472.00100	Consult Molex	91.1L.872.00100	180590942	ST/LC DPX, LS0H - 1m
91.1L.372.00200	Consult Molex	91.1L.472.00200	Consult Molex	91.1L.872.00200	180590943	ST/LC DPX, LS0H - 2m
91.1L.372.00300	Consult Molex	91.1L.472.00300	Consult Molex	91.1L.872.00300	180590944	ST/LC DPX, LS0H - 3m
91.1L.372.00500	Consult Molex	91.1L.472.00500	Consult Molex	91.1L.872.00500	180590945	ST/LC DPX, LS0H - 5m

Fibre Optic Solution
Lightband™
Patch Cords & Pigtails

E

Fibre Pigtails

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

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

OM1 (62.5/125)	SAP No.	OM2 (50/125)	SAP No.	Description
91.10.632.00100	180610088	91.10.532.00100	180610081	ST Pigtail, LS0H - 1m
91.30.632.00100	180610089	91.30.532.00100	180610091	SC Pigtail, LS0H - 1m
91.L0.632.00100	180610090	91.L0.532.00100	180610092	LC Pigtail, LS0H - 1m

OM3 (50/125)	SAP No.	OM4 (50/125)	SAP No.	Description
91.10.332.00100	180610082	91.10.432.00100	Consult Molex	ST Pigtail, LS0H - 1m
91.30.332.00100	180610093	91.30.432.00100	Consult Molex	SC Pigtail, LS0H - 1m
91.L0.332.00100	180610094	91.L0.432.00100	Consult Molex	LC Pigtail, LS0H - 1m

OS2 (9/125)	SAP No.	Description
91.10.832.00100	180610080	ST Pigtail, LS0H - 1m
91.30.832.00100	180610095	SC Pigtail, LS0H - 1m
91.L0.832.00100	180610096	LC Pigtail, LS0H - 1m

LC Bend Insensitive Patch Cords

Order No.	SAP No.	Description
91.LL.27S.00100	180591048	LC Bend Insensitive Patch Cord (OS2) SM, LS0H - 1m
91.LL.27S.00200	180591049	LC Bend Insensitive Patch Cord (OS2) SM, LS0H - 2m
91.LL.27S.00500	180591050	LC Bend Insensitive Patch Cord (OS2) SM, LS0H - 5m
91.LL.37M.00100	180591054	LC Bend Insensitive Patch Cord 50μm (OM3) MM, LS0H - 1m
91.LL.37M.00200	180591055	LC Bend Insensitive Patch Cord 50μm (OM3) MM, LS0H - 2m
91.LL.37M.00500	180591056	LC Bend Insensitive Patch Cord 50μm (OM3) MM, LS0H - 5m
91.LL.47M.00100	180591057	LC Bend Insensitive Patch Cord 50μm (OM4) MM, LS0H - 1m
91.LL.47M.00200	180591058	LC Bend Insensitive Patch Cord 50μm (OM4) MM, LS0H - 2m

SC Bend Insensitive Patch Cords

Order No.	SAP No.	Description
91.99.27B.00100	Consult Molex	SC Bend Insensitive Patch Cord (OS2) SM, LS0H - 1m
91.99.27B.00200	Consult Molex	SC Bend Insensitive Patch Cord (OS2) SM, LS0H - 2m
91.99.27B.00500	Consult Molex	SC Bend Insensitive Patch Cord (OS2) SM, LS0H - 5m
91.99.37B.00100	Consult Molex	SC Bend Insensitive Patch Cord 50μm (OM3) MM, LS0H - 1m
91.99.37B.00200	Consult Molex	SC Bend Insensitive Patch Cord 50μm (OM3) MM, LS0H - 2m
91.99.37B.00500	Consult Molex	SC Bend Insensitive Patch Cord 50μm (OM3) MM, LS0H - 5m
91.99.47B.00100	Consult Molex	SC Bend Insensitive Patch Cord 50μm (OM4) MM, LS0H - 1m
91.99.47B.00200	Consult Molex	SC Bend Insensitive Patch Cord 50μm (OM4) MM, LS0H - 2m
91.99.47B.00500	Consult Molex	SC Bend Insensitive Patch Cord 50μm (OM4) MM, LS0H - 5m

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Fibre Optic Solution
Lightband™
Enclosures

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 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)

Fibre Optic Solution
Lightband™
Enclosures

AFR-00470

AFR-00472

KFR-00034

91.A08**

1U Multi-Function Fibre Enclosure Accessories

Order No.	SAP No.	Description
AFR-00470	180600217	Universal Splice Tray, 24 Fibre with built in Cable Management, for use with 1U Multi-Function Fibre Enclosure (Self Adhesive, 2 pcs)
AFR-00472	180600219	Self Adhesive Cable Management Hub (3 pcs)
KFR-00034	Consult Molex	Kevlar Retention Clamp
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 Fixing Screw (24 pack)

Specification Grade Fibre Enclosures

Specification Grade Fibre Optic Enclosures are a configurable rack mount unit 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.

Modular Splice Cassettes Page F-3

Splice Trays Page E-18

Adapter Plates Page E-10

ModLink Cassettes Page F-1

- 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
Accessories		
AFR-00222	Consult Molex	Universal Splice Tray Mounting Bracket

601 Fibre Enclosure

The 601 Fibre series Enclosures 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

Unloaded	Singlemode	Multimode	Description
WFR-00009-02	WFR-00011-02	WFR-00010-02	6 Port ST 601 Enclosure
WFR-00024-02	WFR-00026-02	WFR-00025-02	8 Port ST 601 Enclosure
WFR-00027-02	WFR-00029-02	WFR-00028-02	8 Port Duplex SC 601 Enclosure
WFR-00033-02	WFR-00035-02	WFR-00034-02	12 Port LC 601 Enclosure

Please contact internal sales for SAP numbers.

Fibre Optic Solution
Lightband™
Enclosures

Fibre Swing-Out Plastic Patch Panel

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

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

Order No.	SAP No.	Description
RFR-00205	0180660017	Swing-Out Fibre Panel Chassis - 1U
RFR-00206	0180660018	Swing Out Fibre Panel Front Plate Blank
RFR-00207	0180660019	Swing Out Fibre Panel Shuttered Front Plate 6 Duplex SC SM
RFR-00208	0180660020	Swing Out Fibre Panel Shuttered Front Plate 6 SC MM
RFR-00209	0180660021	Swing Out Fibre Panel Shuttered Front Plate 12 Duplex LC SM
RFR-00210	0180660022	Swing Out Fibre Panel Front Plate 12 ST SM/MM
RFR-00212	180660024	Swing-Out Panel Shuttered Front Plate 12 DLC MM
RFR-00213	180660025	Swing-Out Panel Unshuttered Front Plate 6 DSC SM
RFR-00214	180660026	Swing-Out Panel Unshuttered Front Plate 6 DSC MM
Accessories		
KFR-00038	182680003	Front Plate Label Sheet (Pack 20)
KFR-00039	182680004	Cable Anchor Bracket Kit (1 x cable anchor bracket, 1 x 435mm bend limiting tube)
KFR-00040	182680005	45mm Fusion Splice Protector - 2.2mm (o.d.)

WM-12

The WM-12 is a wall mounted steel enclosure that provides up to 24 fibre ports in a minimum of space. The WM-12 has an integral configurable panel that accepts up to 6 USO II modules. Its design also guarantees that all of the media will be protected and proper fibre bend radius is maintained.

- Fully configurable using fibre or copper modules
- Available with a fully lockable steel cover
- Accepts up to 6 x USO II modules

USO II Fibre Modules Page E15

Fascias Page G-1

Order No.	SAP No.	Description
WFR-00018	0180090008	WM-12 Wall Mounted Steel Enclosure

Optical Fibre Solution
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Xtreme Density System

XFR-02004

XFR-02002

XFR-00001

XFR-00006

XFR-01005

XFR-02005

Fibre Optic Patch cords Page E-3

Low Loss MTP-MTP Cables Page F-4

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 lock position 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	180660055	Xtreme Density 5 Modules Chassis 19", 1U
XFR-01002	180660056	Xtreme Density 5 Modules Chassis 19", 1U, with Rear Management (without Front Door)
XFR-01003	180660057	Xtreme Density 5 Modules Chassis, 19" 1U, with Front Door (without Rear Management)
XFR-01004	180660058	Xtreme Density 5 Modules Chassis 19", 1U, with Front Door and Rear Management
XFR-01005	180660059	Xtreme Density 1U Chassis Door
XFR-02001	180660060	Xtreme Density 12 Modules Chassis 19", 2U
XFR-02002	180660061	Xtreme Density 12 Modules Chassis 19", 2U, with Rear Management (without Front Door)
XFR-02003	180660062	Xtreme Density 12 Modules Chassis, 19" 2U, with Front Door (without Rear Management)
XFR-02004	180660063	Xtreme Density 12 Modules Chassis 19", 2U, with Front Door and Rear Management
XFR-02005	180660064	Xtreme Density 2U Chassis Door
XFR-00001	180600317	Xtreme Density Adapter Module 8 MPO/MTP Adapter, A Polarity
XFR-00002	180600318	Xtreme Density Adapter Module 8 MPO/MTP Adapter, B Polarity
XFR-00003-0H	181810202	Xtreme Density Cassette, 24 Fibre, Low Loss, OS2 - Blue Adapters
XFR-00004	180660069	Xtreme Density 1U Sliding Management/ Storage Tray - Black (includes Front and Rear cable management)
XFR-00005-AQ	181810203	Xtreme Density Cassette, 24 Fibre, Low Loss, OM3/4 - Aqua Adapters
XFR-00005-EV	181810204	Xtreme Density Cassette, 24 Fibre, Low Loss, OM4 - Erica Violet Adapters
XFR-00006	180600319	Xtreme Density Adapter Module Blank
XFR-00007	181810205	Xtreme Density Cassette, MTP 24 To MTP12 Transisiton Module

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Optical Fibre Solution
Lightband™
Xtreme Density System

Uniboot LC Low Loss Patch Cords

The Uniboot LC Low Loss Patch Cords are slim-line patch cords, ideal for high density/high speed applications. Using a uniboot patch cord provides a 50% space saving when compared to traditional optical patch cords.

Ideal for Data Centre, SAN, Enterprise/Campus and Telco central office applications.

- Full Duplex in a single 3mm cable
- Available in Low Loss OM3, OM4 and OS1/2 Fibre Types
- Reduces space required in cable ways and racks improving access and HVAC performance
- LS0H sheath

Order No.	SAP No.	Description
91.MM.372.YYYL0	Consult Molex	Optical Fibre Patch Cords, LC Uniboot-LC Uniboot, Multimode OM3, Low Loss, LS0H - Aqua
91.MM.472.YYYL0	Consult Molex	Optical Fibre Patch Cords, LC Uniboot-LC Uniboot, Multimode OM4, Low Loss, LS0H - Aqua
91.MM.872.YYYL0	Consult Molex	Optical Fibre Patch Cords, LC Uniboot-LC Uniboot, Singlemode OS1/2, Low Loss, LS0H - Yellow
91.3M.372.YYYL0	Consult Molex	Optical Fibre Patch Cords, LC Uniboot-LC Uniboot, Multimode OM3, Low Loss, LS0H - Aqua
91.3M.472.YYYL0	Consult Molex	Optical Fibre Patch Cords, SC-LC Uniboot, Multimode OM4, Low Loss, LS0H - Aqua
91.3M.872.YYYL0	Consult Molex	Optical Fibre Patch Cords, SC-LC Uniboot, Singlemode OS1/2, Low Loss, LS0H - Yellow

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

E

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 the Molex Multi-Function and Specification Grade Fibre Enclosures. The simple design requires no tooling as the plates install with a simple snap rivet.

- RoHS Compliant
- Accommodates 6 fibres
- Available in Singlemode & Multimode versions
- For use within Molex's Fibre Management Systems

Order No.	SAP No.	Description
AFR-00357	180600135	ST 6 Fibre Adapter Plate, Singlemode
AFR-00358	180600136	SC Duplex 6 Fibre Adapter Plate, Singlemode - Blue
AFR-00360	180600138	SC Duplex 6 Fibre Adapter Plate, Multimode - Beige
AFR-00363	180600141	6 Fibre Blank Plastic pack of 4
AFR-00372	180600150	SC Duplex 6 Fibre Adapter Plate, Multimode OM3 - Aqua

6 Fibre Shuttered Adapter Plates

6 Fibre Shuttered Adapter Plates fit directly into the Molex Multi-Function and Specification Grade Fibre 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 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-00114	182080069	Shuttered ST-SC Duplex 6 Fibre Adapter Plate, Singlemode
AFR-00116	180600040	Shuttered ST-SC Duplex 6 Fibre Adapter Plate, Multimode
AFR-00118	180600042	Shuttered SC Duplex 6 Fibre Adapter Plate, Singlemode
AFR-00120	180600044	Shuttered SC Duplex 6 Fibre Adapter Plate, Multimode
AFR-00229	180600100	Shuttered SC/APC Duplex 6 Fibre Adapter Plate, Singlemode
AFR-00311	180600078	Shuttered SC Duplex 6 Fibre Adapter Plate, Multimode OM3

12 Fibre Adapter Plates

12 Fibre Adapter Plates fit directly into the Molex Multi-Function and Specification Grade Fibre 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
AFR-00365	180600143	LC Duplex 12 Fibre Adapter Plate, Singlemode - Blue
AFR-00366	180600144	LC Duplex 12 Fibre Adapter Plate, Multimode - Beige
AFR-00376	Consult Molex	LC Duplex 12 Fibre Adapter Plate, Multimode OM3 - Aqua
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
AFR-00422-04	Consult Molex	72 Fibre MPO/MTP Adapter Plate - Black

Fibre Optic Solution
Lightband™
Adapter Plates

12 Fibre Keyed LC Adapter Plates

Molex's Keyed LC Adapters used in conjunction with compatible patch cords provide 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 7 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

24 Fibre Adapter Plates

24 Fibre Adapter Plates fit directly into the Molex Multi-Function and Specification Grade Fibre 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™ Connectors

Molex offers a comprehensive range of adapters and connectors in both Multimode and Singlemode variants. Designed to the highest performance specifications, meeting international standards and providing low insertion loss, the connectors are available as heat-cured, cold cured and field terminable variants. The adapters feature either snap or flange mount fixings and are designed with the latest polymer and ceramic materials.

Connectors - Oven Cure

LC Connectors

Order No.	SAP No.	Description	MM/SM	Ferrule	Boot	Colour	Action
18262-0041	182620041	LC Oven Cure Connector	SM	Zirconia	900µm	Blue	Epoxy
18262-0034	182620034	LC Oven Cure Connector	MM	Zirconia	900µm	Beige	Epoxy

SC Connectors

Order No.	SAP No.	Description	MM/SM	Ferrule	Boot	Colour	Action
18262-0043	182620043	SC Oven Cure Connector	SM	Zirconia	900µm	Blue	Epoxy
18262-0033	182620033	SC Oven Cure Connector	MM	Zirconia	900µm	Beige	Epoxy

Keyed LC Connectors - Secure 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

Order No.	SAP No.	Description
106021-0130	1060210130	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Red
106021-0131	1060210131	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Red
106021-0230	1060210230	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Yellow
106021-0231	1060210231	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Yellow
106021-0330	1060210330	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Green
106021-0331	1060210331	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Green
106021-0430	1060210430	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Blue
106021-0431	1060210431	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Blue
106021-0530	1060210530	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Orange
106021-0531	1060210531	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Orange
106021-0630	1060210630	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Aqua
106021-0631	1060210631	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Aqua
106021-0730	1060210730	Universal Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Black
106021-0731	1060210731	Universal Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Black

Fibre Optic Solution
Lightband™
Connectors

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

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

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

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

E

Fibre Optic Solution
Lightband™
Adapters

ST Adapters

Order No.	SAP No.	Description	MM/SM	Sleeve	Colour	Mount
AFR-00200	180600093	ST/ST Duplex	SM	Zirconia	Blue	Flange
AFR-00201	180600094	ST/ST Duplex	MM	P Bronze	Beige	Flange
18282-0065	182820065	ST Simplex	SM/MM	Zirconia	Metal	Double-D
18282-0057	182820057	ST Simplex	SM/MM	P Bronze	Metal	Double-D

SC Adapters

Duplex Adapters

Order No.	SAP No.	Description	MM/SM	Sleeve	Colour	Mount
AFR-00202	180600130	SC/SC Duplex	SM	Zirconia	Blue	Flange
AFR-00203	180600128	SC/SC Duplex	MM	P Bronze	Beige	Flange
106166-0500	1061660500	SC/SC Duplex w/Shutter	SM	Zirconia	Blue	Flange
106167-0510	1061670510	SC/SC Duplex w/Shutter	MM	P Bronze	Beige	Flange
18282-0035	Consult Molex	SC/SC Duplex	MM	P Bronze	Aqua	Flange
106167-0710	Consult Molex	SC/SC Duplex w/Shutter	MM	P Bronze	Aqua	Flange

LC Adapters

Duplex Adapters

Order No.	SAP No.	Description	MM/SM	Sleeve	Colour	Mount
106127-0310	106127-0310	LC Duplex w/Shutter	MM	P Bronze	Beige	Flange
106127-1300	106127-1300	LC Duplex w/Shutter	SM	Zirconia	Blue	Flange
18282-0041	182820041	LC Duplex	MM	P Bronze	Beige	Flange
18282-0045	182820045	LC Duplex	SM	Zirconia	Blue	Flange
18282-0043	Consult Molex	LC Duplex	MM	P Bronze	Aqua	Flange
106127-0330	Consult Molex	LC Duplex w/Shutter	MM	P Bronze	Aqua	Flange

Quad Adapters

Order No.	SAP No.	Description	MM/SM	Sleeve	Colour	Mount
18282-0053	Consult Molex	LC Quad	SM	Zirconia	Blue	Flange
106123-0200	Consult Molex	LC Quad w/Shutter	SM	Zirconia	Blue	Flange
18282-0049	Consult Molex	LC Quad	MM	P Bronze	Beige	Flange
106123-1200	Consult Molex	LC Quad w/Shutter	MM	P Bronze	Beige	Flange
18282-0051	Consult Molex	LC Quad	MM	P Bronze	Aqua	Flange
106123-3200	Consult Molex	LC Quad w/Shutter	MM	P Bronze	Aqua	Flange

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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.

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

25x50mm Modules

25x50mm 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

Single Bezel ST Modules

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

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

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

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

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

Single Bezel SC Modules

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

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

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

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

Single Bezel LC Modules

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

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

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

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

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.

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

■ Available in Singlemode versions
■ Designed to fit into Synergy, Streamline,
Signature & USO II system of wallplates and
surface blocks
■ Available in 7 different Keyed LC Adapter
types
■ DataGate footprint

Order No.	SAP No.	Description
MSY-00129-OC-01	182630007	Keyed Red LC Duplex Synergy Single Module - Almond
MSY-00129-OK-01	182630008	Keyed Yellow LC Duplex Synergy Single Module - Almond
MSY-00129-OJ-01	182630009	Keyed Green LC Duplex Synergy Single Module - Almond
MSY-00129-OH-01	182630010	Keyed Blue LC Duplex Synergy Single Module - Almond
MSY-00129-ON-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-OC-02	182630000	Keyed Red LC Duplex Synergy Single Module - White
MSY-00129-OK-02	182630001	Keyed Yellow LC Duplex Synergy Single Module - White
MSY-00129-OJ-02	182630002	Keyed Green LC Duplex Synergy Single Module - White
MSY-00129-OH-02	182630003	Keyed Blue LC Duplex Synergy Single Module - White
MSY-00129-ON-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-OC-08	182630028	Keyed Red LC Duplex Synergy Single Module - Grey
MSY-00129-OK-08	182630029	Keyed Yellow LC Duplex Synergy Single Module - Grey
MSY-00129-OJ-08	182630030	Keyed Green LC Duplex Synergy Single Module - Grey
MSY-00129-OH-08	182630031	Keyed Blue LC Duplex Synergy Single Module - Grey
MSY-00129-ON-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

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Fibre Optic Solution
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Fibre-To-The-Desk

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 2 flat Euromod PowerCat or secondary voice modules as well as 4 fibres. It is packaged complete with threaded inserts for trunking applications and adhesive strip for mounting in a surface mount backbox.

- Fits inside 32mm deep 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

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

E

Fibre Optic Solution
Lightband™

AFR-00338

AFR-00337 AFR-00334 AFR-00335

Fusion Splice Protectors

AFR-00470

AFR-00472

Universal Splice Trays & Fusion Splice Protectors

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

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

Order No.	SAP No.	Description
◆AFR-00001	0180600027	Universal Splicing Tray
AFR-00334	180690050	5 Fibre Mechanical Splice Holder
◆AFR-00336	180690052	Universal Splice Tray - 24 Fibres
◆AFR-00338	180690054	Universal Splice Tray - Unloaded
AFR-00190	Consult Molex	Low Profile 24 Fibre Fusion Splice
AFR-00335	180690051	6 Fibre Fusion Splice Holder
AFR-00337	180690053	12 Fibre Fusion Splice Holder
AFR-00470	180600217	Universal Splice Tray, 24 Fibre with built in Cable Management for 1U Multi-Function Fibre Enclosure (Self Adhesive, 2 pcs)
AFR-00472	180600219	Self Adhesive Cable Management Hub (3 pcs)
KFR-00008	0180600025	45mm Fusion Splice Protector - 2.4mm (o.d.)
KFR-00009	0180600026	61mm Fusion Splice Protector - 2.4mm (o.d.)
KFR-00040	182680005	45mm Fusion Splice Protector - 2.2mm (o.d.)

◆ Compatible with Specification Grade Enclosures

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.

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
91.B0650	182540001	24 Fibres Per Tube Breakout Kit

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

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 of specialist technicians.

12 Port ModLink Cassettes

ModLink Cassettes provide a cost-effective, quick and easy fibre system, for backbone and to-the-desk applications. 12 Port 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 Fibre optic patching enclosures convert the MTP/MPO interface to a standard LC, SC or MT-RJ adapter
- 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
MLCDSC12OS2L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OS1/2 Singlemode
MLCMTR12OS2L	Consult Molex	12 Port ModLink Cassette, MTRJ, OS1/2 Singlemode
MLCDLC12OS2L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OS1/2 Singlemode
MLCQLC12OS2L	Consult Molex	12 Port ModLink Cassette, Quad LC, OS1/2 Singlemode
MLCDSC12OM1	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM1 62.5µm Multimode
MLCMTR12OM1	Consult Molex	12 Port ModLink Cassette, MT-RJ, OM1 62.5µm Multimode
MLCDLC12OM1	0181810142	12 Port ModLink Cassette, Duplex LC, OM1 62.5µm Multimode
MLCQLC12OM1	0180370268	12 Port ModLink Cassette, Quad LC, OM1 62.5µm Multimode
MLCDSC12OM2	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM2 50µm Multimode
MLCMTR12OM2	Consult Molex	12 Port ModLink Cassette, MT-RJ, OM2 50µm Multimode
MLCDLC12OM2	0181810147	12 Port ModLink Cassette, Duplex LC, OM2 50µm Multimode
MLCQLC12OM2	0180370267	12 Port ModLink Cassette, Quad LC, OM2 50µm Multimode
MLCDSC12OM3L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM3 50µm Multimode, Low Loss
MLCMTR12OM3L	Consult Molex	12 Port ModLink Cassette, MTRJ, OM3 50µm Multimode, Low Loss
MLCDLC12OM3L	Consult Molex	12 Port ModLink Cassette, Duplex LC, OM3 50µm Multimode, Low Loss
MLCQLC12OM3L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM3 50µm Multimode, Low Loss
MLCDSC12OM4L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM4 50µm Multimode, Low Loss
MLCMTR12OM4L	Consult Molex	12 Port ModLink Cassette, MT-RJ, OM4 50µm Multimode, Low Loss
MLCDLC12OM4L	Consult Molex	12 Port ModLink Cassette, Duplex SC, OM4 50µm Multimode, Low Loss
MLCQLC12OM4L	Consult Molex	12 Port ModLink Cassette, Quad LC, OM4 50µm Multimode, Low Loss

24 Port Quad LC ModLink Cassettes

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

- Self-contained Fibre optic patching enclosures convert the MTP/MPO interface to a standard LC adapter
- 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
MLCQLC24OM1	Consult Molex	24 Port ModLink Cassette, Quad LC, OM1 62.5µm Multimode
MLCQLC24OM2	Consult Centrex	24 Port ModLink Cassette, Quad LC, OM2 50µm Multimode
MLCQLC24OM3L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OM3 50µm Multimode
MLCQLC24OM4L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OM4 50µm Multimode
MLCQLC24OS2L	Consult Molex	24 Port ModLink Cassette, Quad LC, Low Loss, OS2 Singlemode

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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 7 different Keyed LC Adapter types
■ Cassettes in 12 fibre format
■ Test results with each cassette

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

Pre-Terminated Solutions
ModLink™ Fibre
Plug & Play

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.

■ For use in Molex's Specification Grade and Multi-function Fibre Enclosures
■ High density - up to 24 fibres per cassette
■ 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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ModLink Cables

- LS0H rated round distribution 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

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

91-X	AA	BB-	C	YYY
Family	Core Count/ Sheath Material	Polarity Method/Gender	Fibre Type	Length
	22 = LS0H 12 Core 24 = LS0H 24 Core	22 = Method A, Female to Female 44 = Method B, Female to Female 33 = Method C, Female to Female 55 = Method A, Male to Male 66 = Method B, Male to Male 77 = Method C, Male to Male 88 = Method A, Female to Male 99 = Method B, Female to Male 00 = Method C, Female to Male	2 = OM1 62.5/125μm 4 = OS1/2 9/125μm 4L = OS1/2 9/125μm Low Loss 6 = OM2 50/125μm 6E = OM3 50/125μm 6L = OM3 50/125μm Low Loss 8E = OM4 50/125μm 8L = OM4 50/125μm Low Loss	XXX = In meters

For Example: To order a 12 Core MTP-MTP Cable Assembly, Polarity A, Female to Female, OM3 50/125μm - LS0H aqua ModLink Cable, the part number would be 91X2222-8L100

Fibre Trunk Assemblies

Molex's pre-terminated Fibre trunk assemblies offer premium factory controlled performance using a variety of connectors that enable fast and economical installation. Ideal for mission critical backbone applications such as Data Centers, disaster recovery sites, or where on-site installation time is restricted or limited.

- Wide variety of connector and cable types available
- Manufactured to order
- Factory terminated and tested
- Optical performance guaranteed

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

91-	XX	FFF	ISO-	CC-	YYY
Family	Cable Type	Fibre Count	Fibre Type	Connector Type, each end	Length
	LS = Low Smoke Zero Halogen 4 - 24 Core	12-144	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	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	XXX = In meters 001 = 1 meter

For Example: To order a 5 meter, Tight Buffered, OM1, LC-LC, 12 Fibre trunk cable the part number would be 91-LS012OM1-LL-005

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Hybrid Pre-Terminated Cable Assemblies
Molex Pre-Terminated Fibre Optic Cable Assemblies offer premium factory-controlled optical performance on a variety of connectors that enable fast, economical installation.

Pre-Terminated Cable Assemblies are ideal for mission-critical backbone applications such as Data Center tie cables and low optical loss backbone riser cables.

■ Available in:
Low Loss: OS1/2, OM3 and OM4 (Aqua or Erica Violet)
Standard Loss: OS1/2, OM1, OM2, OM3 and OM4 (Aqua or Erica Violet)
■ 12 and 24 cores standard (high core counts up to 144 Fibres available)
■ 2mm ruggedized tails and 900µm tails available
■ Customised Tail Length and Configuration options available
■ LS0H and OFNP cable jacket
■ ROHS Compliant
■ Ideal for: Internal short optical links
Front panel/equipment connections
Data center infrastructure
Storage Area Network (SAN)

F

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

91-H	XXX	A	C-	D	E	F-	GGG
Family	Core Count	Cable Type/ Connector Performance	SF Connector	Fibre Type/Sheath Colour	Tail Length	Tail Configuration	Length
Hybrid Optical Fibre MTP- X Cables	12-144 Core Count	A = 12 Fibre LS0H Low Loss Male B = 12 Fibre LS0H Low Loss Female C = 12 Fibre LS0H Standard Loss Male D = 12 Fibre LS0H Standard Loss Female E = 12 Fibre OFNP Low Loss Male F = 12 Fibre OFNP Low Loss Female G = 12 Fibre OFNP Standard Loss Male H = 12 Fibre OFNP Standard Loss Female 1 = 24 Fibre LS0H Low Loss Male 2 = 24 Fibre LS0H Low Loss Female 3 = 24 Fibre LS0H Standard Loss Male 4 = 24 Fibre LS0H Standard Loss Female 5 = 24 Fibre OFNP Low Loss Male 6 = 24 Fibre OFNP Low Loss Female 7 = 24 Fibre OFNP Standard Loss Male 8 = 24 Fibre OFNP Standard Loss Female	0 = No Connector 1 = ST 3 = SC Simplex 9 = SC Duplex C = SC/ACP F = FC G = FC/APC L = LC M = Uniboot LC N = LC/APC	0 = OM4 Aqua 1 = OM1 Orange 3 = OM3 Aqua 4 = OM4 Erica Violet 5 = OM2 Orange 8 = OS1/2 Yellow	1 = 1m 2 = 2m 3 = 3m B = 0.5m	0 = 900µm Fan Unstaggered 1 = 900µm Fan Staggered 50mm 2 = 900µm Fan Staggered 100mm 3 = 900µm Fan Staggered 150mm 4 = 900µm Fan Staggered 200mm A = 2mm Ruggedized Fan Unstaggered B = 2mm Ruggedized Fan Staggered 50mm C = 2mm Ruggedized Fan Staggered 100mm D = 2mm Ruggedized Fan Staggered 150mm E = 2mm Ruggedized Fan Staggered 200mm	XXX = In meters

Standard Colours = OS1/2 = Yellow, OM1 = Orange, OM2 = Grey, OM3 = Aqua, OM4 =Aqua
Cable Construction = 1-48 Core Micro Cable, 48+ = Loose Tube
Other Customisations such as colours, Tail Length, Tail Configuration, will need to be established a a SP (Special Product) part number and registered accordingly

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 6 or 12 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

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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
- LS0H cable sheaths

Order No.	SAP No.	Description
ICA-00138-08	183030137	iPass 24 pair Gigabit UTP LS0H 25m - Grey
ICA-00139-08	183030138	iPass 24 pair Gigabit UTP LS0H 30m - Grey
ICA-00140-08	183030139	iPass 24 pair Gigabit UTP LS0H 35m - Grey
ICA-00141-08	183030140	iPass 24 pair Gigabit UTP LS0H 40m - Grey
ICA-00142-08	183030141	iPass 24 pair Gigabit UTP LS0H 45m - Grey
ICA-00143-08	183030142	iPass 24 pair Gigabit UTP LS0H 50m - Grey

F

Media Configurable

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.

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
Accessories		
MUS-00096-0*	Consult Molex	1 Port Fascia (Bag of 10) - 25 x 50mm
MUS-00097-0*	Consult Molex	2 Port Fascia (Bag of 10) - 25 x 50mm
MUS-00185	Consult Molex	Blank Module (Bag of 10) - 25 x 50mm
KSJ-00005-0*	Consult Molex	Single Position Blank Module (Bag of 25)

MUS-00096-0*   MUS-00097-0*

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

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

USO II Fibre Modules Page E-15

PowerCat 6 UTP DataGate Jacks Page B-8

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

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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.

Industrial Copper Assemblies

Enabling side and rear entry termination, the Industrial Ethernet Connector, Plugs and Patch Cords are housed within a rugged Polyester covering and feature 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 5e
- ■ One sealing surface
- ■ Bayonet style latch receptacle
- ■ Suitable for extreme environments
- ■ Water and dust tight for functional integrity
- ■ IP 67 and NEMA 6P ratings

Order No.	SAP No.	Description
84700-0001	0847000001	Industrial Ethernet Coupler
84700-0003	0847000003	Industrial Ethernet Dust Cap Assembly
84702-0006	0847020006	IDC Connector Category 5e

Industrial 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 5e
- ■ 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 UTP Patch Cord, Bayonet RJ45 - Bayonet RJ45 - Grey Sheath
84702-2***	Consult Molex	PowerCat Industrial UTP Patch Cord, Bayonet RJ45 - RJ45 - Grey Sheath

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

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
106059-0200	0860590200	Phosphor Bronze Multimode Adapter
106059-0210	0860590210	Zirconia Singlemode Adapter

H

Industrial Solutions

Industrial LC Patch Cords

Available in multiple lengths, Industrial LC 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
Consult Molex*	Consult Molex	Industrial LC Patch Cords

* Part numbers allocated at time of order

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

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.

Ring Run Panels

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

1U Order No.	SAP No.	2U Order No.	SAP No.	Description
25.B016G	0180320002	25.B013G	0180320001	Ring Run
25.B035G	0180320007	25.B058G	0180320008	Deep Ring Run
25.AB18G	Consult Molex	25.B019G	Consult Molex	Blank Panels
25.A029G	Consult Molex	-	Consult Molex	Cable Brush Tidy
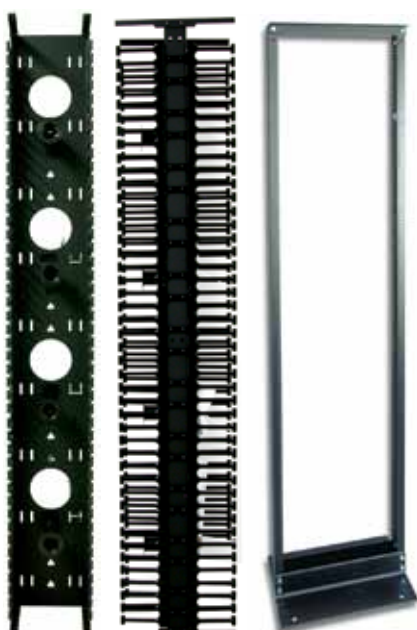
Vertical Rack Manager (VRM)

Used in conjunction with the Molex 45U, 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 grooves 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 freeing up valuable floor space
- Strong & flexible poly carbonate finger guides
- Robust construction perfectly aligns cables, maintaining critical bend radii
- Snap grooved finger guides allow easy modification to 2/3U configuration
- Replacement 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 during maintenance
- Quick lock door allows for fast easy access with instantaneous left or right door opening with flush mounted handles
- Quick fit spool for 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

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
RAA-00002	180310026	Open Bay Rack

2U Horizontal Cable Manager   Cable Retainer   Spools

Copper Products
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 and Keystone style jacks, the 4 Pair Termination Tool Frame is supplied unloaded into which either the UTP Termination Head (for termination of the UTP DataGate and Keystone jacks) or the C6A Termination Head (for termination of the C6A shielded DataGate jacks) is fitted.

Operation is 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.

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

Order No.	SAP No.	Description
31.0011	Consult Molex	4 Pair Termination Tool Frame
31.0010	Consult Molex	4 Pair Termination Tool Frame, UTP - MOD-Clip Jack only
31.0012	Consult Molex	Termination Head UTP
31.0013	Consult Molex	Termination Head C6A

Termination Tools & Terminating Puck

The Category 6 110 Style Multi Pair Termination Tool provides 4-pair high impact termination specifically for Molex 110 Style Category 6 Connector termination.

The IDC Punchdown Tool provides reliable terminations and is compatible with 110 Style.

The Punch-Down Terminating Puck is a handy twisted pair termination aid that works with Molex RJ45 DataGate jacks.

Order No.	SAP No.	Description
KPD-00087	0181980070	Category 6 110 Style Multi-Pair Termination Tool with Head and Handle
31-001	0180380001	110 Punchdown Termination Tool
CSP-00018-04	180400053	Punchdown Terminating Puck (Black)

SLT3S™ Tester

The SLT3S Tester is a rugged, lightweight product designed to verify the integrity of 1, 2, 3, and 4 pair UTP and FTP channels. Incorporating a unique 3-in-1 design, this tester features built-in modular jacks for USOC, EIA 568A and 568B wiring sequences.

Simply connect the master and slave unit to each end of the cable under test, and the SLT3S automatically verifies correct cable sequence, as well as open and short circuits.

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

Order No.	SAP No.	Description
33A-100-10	0180390011	SLT3S Tester (Master and Slave Units) with 9 Volt battery

Order No. Reference

Part No.	SAP No.	Description	Page No.
31.001	Consult Molex	4 Pair Termination Tool Frame, UTP - MOD-Clip Jack only	J-1
31.001	Consult Molex	4 Pair Termination Tool Frame	J-1
31.001	Consult Molex	Termination Head UTP	J-1
31.001	Consult Molex	Termination Head C6A	J-1
106021-0130	1060210130	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Red	E-12
106021-0131	1060210131	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Red	E-12
106021-0230	1060210230	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Yellow	E-12
106021-0231	1060210231	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Yellow	E-12
106021-0330	1060210330	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Green	E-12
106021-0331	1060210331	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Green	E-12
106021-0430	1060210430	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Blue	E-12
106021-0431	1060210431	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Blue	E-12
106021-0530	1060210530	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Orange	E-12
106021-0531	1060210531	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Orange	E-12
106021-0630	1060210630	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, SM - Aqua	E-12
106021-0631	1060210631	Keyed LC Duplex Connector Bare Fib, ceramic ferrule, epoxy action, MM - Aqua	E-12
106059-0200	860590200	Phosphor Bronze Multimode Adapter	H-1
106059-0210	860590210	Zirconia Singlemode Adapter	H-1
106123-0200	Consult Molex	LC Quad Adapter w/Shutter, SM, Zirconia, Flange Mount - Blue	E-14
106123-1200	Consult Molex	LC Quad Adapter w/Shutter, MM, P Bronze, Flange Mount - Beige	E-14
106123-3200	Consult Molex	LC Quad Adapter w/Shutter, MM, P Bronze, Flange Mount - Aqua	E-14
106127-0310	106127-0310	LC Duplex Adapter w/Shutter, MM, P Bronze, Flange Mount - Beige	E-14
106127-0330	Consult Molex	LC Duplex Adapter w/Shutter, MM, P Bronze, Flange Mount - Aqua	E-14
106127-1300	106127-1300	LC Duplex Adapter w/Shutter, SM, Zirconia, Flange Mount - Blue	E-14
106166-0500	1061660500	SC/SC Duplex Adapter w/Shutter, SM, Zirconiae, Flange mount - Blue	E-14
106167-0510	1061670510	SC/SC Duplex Adapter w/Shutter, MM, P Bronze, Flange Mount - Beige	E-14
106167-0710	Consult Molex	SC/SC Duplex Adapter w/Shutter, MM, P Bronze, Flange mount - Aqua	E-14
16.A0012	180070055	22.5 x 45mm Blank Module - White	B-13, B-17, B-23
17.10.012.A0022	Consult Molex	Euromod Line Jack LJLP Module (Mastered) - White	C-1
17.1B.011.A0042	182080033	PowerCat 5e Euromod RJLP Module RJ45 568B UTP - White	B-22
17.A0162	181210015	25 x 50mm Duplex SC Module, Multimode - 1 Adapter	E-15
17.A0172	181210014	25 x 50mm Duplex SC Module, Singlemode - 1 Adapter	E-15
17.A0182	182620006	25 x 50mm Duplex SC-ST Module, Multimode - 1 Adapter	E-15
17.A0192	182620007	25 x 50mm Duplex SC-ST Module, Singlemode - 1 Adapter	E-15
17.A0202	184000467	25 x 50mm Shuttered Duplex SC Module, Multimode - 1 Adapter	E-15
17.A0212	184000466	25 x 50mm Shuttered Duplex SC Module, Singlemode - 1 Adapter	E-15
17.A0222	182620008	25 x 50mm Shuttered Duplex SC-ST Module, Multimode - 1 Adapter	E-15
17-0111-02	180060058	Labelled Single Gang Euromod Wallplate - 86 x 86 x 10mm	B-27
17-0112-02	181390002	Labelled Double Gang Euromod Wallplate - 86 x 145 x 10mm	B-27
17-0231-02	Consult Molex	Euromod Snap-in Adapter Collar (half) 25mm x 50mm	B-27
17-0232-02	Consult Molex	Euromod Snap-in Adapter Collar (full) 50mm x 50mm	B-27
17-0412-02	180060060	Euromod Quarter (12.5 x 50mm) Blank - White	B-12, B-22, B-27
17-0413-02	180060061	Euromod Half (25 x 50mm) Blank - White	B-12, B-22, B-27
17-0414-02	180060062	Euromod Full (50 x 50mm) Blank - White	B-12, B-22, B-27
18262-0033	182620033	SC Oven Cure Connector, MM, Zirconia ferrule, epoxy action - Beige	E-12
18262-0034	182620034	LC Oven Cure Connector, SM, Zirconia ferrule, epoxy action - Beige	E-12

Part No.	SAP No.	Description	Page No.
18262-0041	182620041	LC Oven Cure Connector, MM, Zirconia ferrule, epoxy action - Blue	E-12
18262-0043	182620043	SC Oven Cure Connector, SM, Zirconia ferrule, epoxy action - Blue	E-12
18282-0035	Consult Molex	SC/SC Duplex Adapter, MM, P Bronze, Flange mount - Aqua	E-14
18282-0041	182820041	LC Duplex Adapter, MM, P Bronze, Flange Mount - Beige	E-14
18282-0043	Consult Molex	LC Duplex Adapter, MM, P Bronze, Flange Mount - Aqua	E-14
18282-0045	182820045	LC Duplex Adapter, SM, Zirconia, Flange Mount - Blue	E-14
18282-0049	Consult Molex	LC Quad Adapter, MM, P Bronze, Flange Mount - Beige	E-14
18282-0051	Consult Molex	LC Quad Adapter, MM, P Bronze, Flange Mount - Aqua	E-14
18282-0053	Consult Molex	LC Quad Adapter, SM, Zirconia, Flange Mount - Blue	E-14
18282-0057	182820057	ST Simplex Adapter, SM/MM, P Bronze sleeve, Double-D mount - Metal	E-14
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91.99.37B.00200	Consult Molex	SC Bend Insensitive Patch Cord 50µm (OM3) MM, LS0H - 2m	E-4
91.99.37B.00500	Consult Molex	SC Bend Insensitive Patch Cord 50µm (OM3) MM, LS0H - 3m	E-4
91.99.472.00100	Consult Molex	Fibre Patch Cord SC/SC DPX, OM4, LS0H - 1m	E-3
91.99.472.00200	Consult Molex	Fibre Patch Cord SC/SC DPX, OM4, LS0H - 2m	E-3
91.99.472.00300	Consult Molex	Fibre Patch Cord SC/SC DPX, OM4, LS0H - 3m	E-3
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91.99.47B.00100	Consult Molex	SC Bend Insensitive Patch Cord 50µm (OM4) MM, LS0H - 1m	E-4
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91.99.672.00500	180590900	Fibre Patch Cord SC/SC DPX, OM1, LS0H - 5m	E-3
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91.99.872.00300	180590962	Fibre Patch Cord SC/SC DPX, OS2, LS0H - 3m	E-3
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91.9L.572.00200	180590930	Fibre Patch Cord LC/SC DPX, OM2, LS0H - 2m	E-3
91.9L.572.00300	180590931	Fibre Patch Cord LC/SC DPX, OM2, LS0H - 3m	E-3
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