



Premise Networks Division

Product & Solutions Guide

Americas



molex[®]

Table of Contents













Section	Title	Brands	Performance Level	Product Families
 A	Advanced Physical Layer Management	MIIM™	Category 6A Category 6 OM1 (62.5/125µm) OM2 (50/125µm) OM3 (50/125µm) OS1 (9/125µm)	Scanner Patch Panel Outlet Terminator Software
 B	Advanced Physical Layer Deployment	INSIGHT		Software
 C	Copper Solutions UTP/FTP	PowerCat™	Category 6A Category 6 Category 5E	Cable Patch Cords Patch Panels Connectors
 D	PDS Solutions UTP	110®	Category 6 Category 5E	Termination Blocks Connectors Patch Cords Racks
 E	Free Space Optics	Canobeam™*	OM1 (62.5/125µm) OM2 (50/125µm) OM3 (50/125µm) OS1 (9/125µm)	Canobeam Kits
 F	Optical Fiber Solutions	Lightband™	OM1 (62.5/125µm) OM2 (50/125µm) OM3 (50/125µm) OS1 (9/125µm)	Cable Patch Panels & Enclosures Patch Cords Connectors & Adapters Modules/Outlets/Wallplates Plug and Play

Table of Contents

Section	Title	Brands	Performance Level	Product Families
	G Pre-Terminated Solutions	ModLink™	Category 5E OM1 (62.5/125µm) OM2 (50/125µm) OM3 (50/125µm) OS1 (9/125µm)	Cassettes Cable Assemblies Panel Enclosures
	H Work Area Solutions	MUTO USP WM-12 Streamline™ Synergy™ USO II™	Category 6 Category 5E	Unloaded Wallplates Unloaded Surface Blocks Keystone Profile Jacks & Wallplate System 25 x 50mm Modules & Wallplate System 25 x 38.5mm Modules & Wallplate System
	I Industrial Solutions	PowerCat™ Lightband™	Category 5E OM1 (62.5/125µm) OM2 (50/125µm) OM3 (50/125µm) OS1 (9/125µm)	Outlet Connectors Cable Assemblies
	J Cable Management			Vertical Rack Manager Ring Run Panels Horizontal Cable Manger
	K Tools & Testers	110 Style SLT3S		Tools Testers
	L Order No. Reference			

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one company > a world of innovation

Whether you require one product or a total end-to-end solution, Molex 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 customized system to support your business today, while 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 transfer to a new system runs as smoothly as possible. We work closely with our installation partners to maintain the same high standards, regardless of the complexity or simplicity 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, or exceed, all relevant environmental, legal and other requirements.
- › Operate our facilities while considering the efficient use of natural resources, and strive to develop products that make the lowest possible environmental impact throughout the product life cycle.
- › Continually improve our environmental performance and operations by establishing environmental targets and objectives:
- › Advise every person who works for, or on behalf of Molex, of the importance of adhering to this statement.
- › Reduce or eliminate emissions and discharges from our operations that would have a negative impact on the environment through activities that help prevent pollution.
- › Educate and train employees to work in an environmentally responsible manner.

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



Bringing Advanced Physical Layer Lifecycle Management to Enterprises WORLDWIDE

APLLM (Advanced Physical Layer Lifecycle Management) is Molex Premise Network's revolutionary suite of 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 and traditional data transport solutions, 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, thereby spanning its entire lifecycle.

The Technology Behind APLLM

APLLM is made up of a combination of software, electronics and traditional Data Transport solutions. As part of APLLM, Molex Premise Networks has introduced two exclusive products - INSIGHT and MIIM™ - which integrate seamlessly with Data Transport systems to add exciting new dimensions to network management.

MIIM™

MIIM is a comprehensive solution focusing on enhancing network management at the physical layer, network security, asset management, 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 Smart polling provides constant information on all network devices connected to work area outlets. Compelling MIIM differentiators include true centralized 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.

INSIGHT

INSIGHT is an on-line deployment system for the planning and management of infrastructures and their connected assets. Consisting of 3 core modules; Project Control, Connectivity Management and MAC Management, INSIGHT increases visibility, control, automation and collaboration for the management of any infrastructure to specified stakeholder groups. Some core features include best practice libraries, customized work flows, multi-user permissions and partitioning, and real-time access to information from any global location, which combine to drive a powerful uniqueness.

Data Transport Solutions

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

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

Advanced Physical Layer Management

MIIM™

A



The MIIM™ solution provides the most comprehensive Advanced Physical Layer Management. Simple to implement and manage, the solution uses industry standard components and the incremental cost to the user is significantly reduced. Providing event-driven smart polling of attached devices, even

if the device is off, MIIM continuously monitors & maps 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 576 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 smart polling function which queries the specific outlet and updates the software.

- Smart polling 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
- Trace to device location
- Low power consumption with no specific fans or cooling required
- Automatic Rediscovery/Re-synchronization after outage or system failure
- Transaction queues record events for later delivery if the scanner is disconnected from the MIIM application
- Data bus connection between the scanner and patch panel is via an industry standard RJ45 patch cord

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

MIIM 24 Port Copper Patch Panel

MIIM Patch Panels are used within the MIIM System. Each 1U 24 Port Patch Panel has one data bus connection port located on the rear of the panel.

- 24 port 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

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

Panels work as conventional patch panels when not connected to the MIIM system. The Category 6 panel is unshielded, while the Category 6A panel is shielded.



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

MIIM 24 Port Duplex LC Fiber Panel

MIIM Fiber Optic enclosures 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 built-in 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 (OM1, OM2, OM3)
- 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 Fiber Patch Panel
RFR-00301	183230001	MIIM Multimode 24P Duplex LC Fiber Patch Panel

Advanced Physical Layer Management

MIIM™



MIIM Fiber Patch Cords

MIIM™ Fiber Optic patch cords are used to connect MIIM fiber 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 fiber patch panels
- MIIM patch cords are constructed from two fibers contained in an outer jacket
- Available in Singlemode (OS1) and Multimode (OM1, OM2, OM3) constructions

1m	2m	3m	5m	10m	Description
91.PP.6A2.00100	91.PP.6A2.00200	91.PP.6A2.00300	91.PP.6A2.00500	91.PP.6A2.01000	MIIM OFPC LC-LC DUP MM OM1 3mm
91.PP.5A2.00100	91.PP.5A2.00200	91.PP.5A2.00300	91.PP.5A2.00500	91.PP.5A2.01000	MIIM OFPC LC-LC DUP MM OM2 3mm
91.PP.3A2.00100	91.PP.3A2.00200	91.PP.3A2.00300	91.PP.3A2.00500	91.PP.3A2.01000	MIIM OFPC LC-LC DUP MM OM3 3mm
91.PP.8A2.00100	91.PP.8A2.00200	91.PP.8A2.00300	91.PP.8A2.00500	91.PP.8A2.01000	MIIM OFPC LC-LC DUP SM OS1 3mm

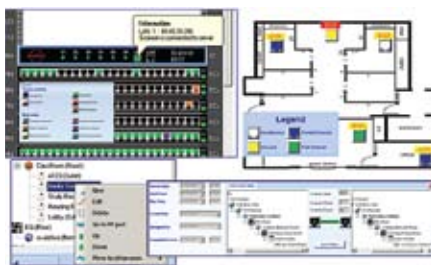


MIIM Outlet Terminator

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

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

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



MIIM Application Software

MIIM Application Software is a client server based Software program and is the central data manager for the MIIM System. It manages OSI Layer 1 assets and provides instantaneous information to the IT Manager regarding connectivity on MIIM enabled channels. The software documents planned and unplanned changes to the network. It allows continuous monitoring of the complete physical channel from work area outlet to the active network device. It automatically monitors all connections/disconnections, updates all MACs to the database, identifies and confirms port availability and notifies the IT Manager of all unscheduled or unauthorized network changes. Smart polling 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.

- Hierarchical view of entire enterprise layer 1 infrastructure to the port/outlet
- Event monitoring of all connections/disconnections
- Smart polling keeps data current and minimizes 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 Software Maintenance - 96 Channels
IMM-00102	183250005	MIIM Software Maintenance - Server Application

Advanced Physical Layer Deployment INSIGHT

B



INSIGHT is an on-line information management system for the planning, procurement, deployment, change management, and documentation of data, electrical, voice, security, audio visual, building systems and telecommunication infrastructures.

It integrates workflow management, project management (planning, scheduling, estimating), document management, asset management, help desk and MAC management in an on-line service accessible to all stakeholders.

INSIGHT - Infrastructure Deployment and Lifecycle Management

INSIGHT drives visibility, control, automation, and collaboration during an infrastructure lifecycle, resulting in significant productivity gains in project and infrastructure management. With INSIGHT, infrastructure project predictability and throughput increases, confidence increases in the ability to deploy and manage efficiently and consistently, trust and collaboration are fostered among the stakeholders, employee and contractor turnover are less costly through on-line information transfer, and MACs are cost-reduced.

Infrastructure organizations face many challenges regarding their physical infrastructure and its connected assets:

- Project visibility, transparency and collaboration for the many stakeholders of multiple or large site deployments
- Retaining information on deployed infrastructure and assets
- Enforcing adherence to company processes and standards and compliance reporting
- Productivity of Project Managers
- Efficient contractor performance management

INSIGHT adds value to infrastructure investments by:

- Standardizing and controlling processes for high-value and multi-site infrastructure deployments
- Enforcing design standards and specifications while providing for site tailoring through approval processes
- Automating work flows, schedules, communications and documentation amongst all project stakeholders
- Managing on-line procurements with transparency and security
- Providing real-time visibility into infrastructure activities and expenditures under predetermined access privileges
- Providing a central library for all project and infrastructure data, bridging personnel and contractor changes
- Improving compliance reporting and accountability through real-time capture of project progress and approvals
- Supporting the creation of back-office infrastructure management services, lowering operating costs
- Managing all contractors efficiently and consistently by remote project management teams, including automatic billing notices

Order No.	SAP No.	Description
18306XXXX	Consult Molex	Please contact your Molex representative

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, and is the system of choice for Data Centers, financial institutions and enterprises requiring the maximum

performance level for their businesses. The PowerCat 6A shielded solution is designed specifically for high speed data transmissions demanding little room for error, while offering exceptional alien crosstalk suppression, excellent insertion loss and protection against Electromagnetic Interference (EMI).

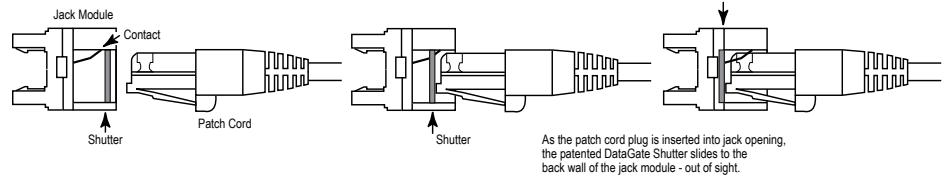
PowerCat 6A DataGate™ Shielded Jack

The DataGate Jack is the cornerstone of the Molex Premise Networks PowerCat C6A System performance. This modular jack offers superior alien crosstalk suppression, exceptional low insertion loss, and enhanced protection against electromagnetic interference (EMI). Protection is provided by utilizing a robust die-cast zinc alloy connector body housing.

This shielded jack features a unique spring-loaded shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The product is dual color coded for either 568A or 568B wiring schedules and is backwards compatible with Shielded C6 and C5E systems.

- 360° Shielded RJ45 Jack
- Dual Color coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented spring-loaded shutter
- RJ-11 compatible
- Accepts color coded port identification labels
- Supplied with all C6A patch panels
- RoHS Compliant

DataGate Shutter Operation



Order No.	SAP No.	Description
KSJ-00062-02	183010003	PowerCat 6A DataGate Jack, Shielded, White Shutter
KSJ-00062-04	183010002	PowerCat 6A DataGate Jack, Shielded, Black Shutter



PowerCat 6A F/UTP Cable

- Supports high speed data network applications such as 10-Gigabit Ethernet (10GBASE-T)
- Enhanced performance overall single foil shielded twisted pair cable construction
- Minimizes alien crosstalk, provides excellent signal isolation and provides superior electromagnetic interference (EMI) protection.

- 1000 ft to 0 ft markers
- ETL verified to TIA-568-C.2 Cat 6A component compliance
- Resistant to alien crosstalk
- Color coded for ease of termination
- Enhanced performance overall single foil shielded twisted pair cable construction
- Available in UL Listed CMR and CMP constructions
- RoHS Compliant

Order No.	SAP No.	Description
CAA-0320P-02	183020005	PowerCat6A F/UTP 4 Pair Cable, Plenum White
CAA-0320P-08	183020003	PowerCat6A F/UTP 4 Pair Cable, Plenum Gray
CAA-0320P-BL	183020004	PowerCat6A F/UTP 4 Pair Cable, Plenum Blue
CAA-0320R-02	183020008	PowerCat6A F/UTP 4 Pair Cable, Riser White
CAA-0320R-08	183020006	PowerCat6A F/UTP 4 Pair Cable, Riser Gray
CAA-0320R-BL	183020007	PowerCat6A F/UTP 4 Pair Cable, Riser Blue

Copper Solutions

PowerCat™ 6A Shielded



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

PowerCat 6A Patch Cords

Molex PowerCat 6A Shielded Patch Cords were specifically designed to support high speed data networks for 10-Gigabit Ethernet (10GBASE-T) applications. The patch cord is made from high quality shielded four pair 26AWG stranded wire. Available in a range of colors and lengths, PowerCat 6A Shielded patch cords are pre-terminated with RJ45 shielded plugs and feature slip-on anti-sag strain relief boots.

- Shielded 4 pair 26AWG stranded cable
- Pre-terminated with WE8W shielded plugs
- Anti-sag strain relief boots
- Suitable for EIA 568A/B wiring applications
- PVC jacket
- RoHS Compliant

Order No.	SAP No.	Description
PCD-00700-OH	183160000	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 1m
PCD-00701-OH	183160005	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 2m
PCD-00702-OH	183160010	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 3m
PCD-00703-OH	183160015	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 5m
PCD-00704-OH	183160020	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 7m
PCD-00705-OH	183160025	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 10m

* Other Standard Colors: OH=Blue, BK=Black, OE=Gray, OC=Red
Non-Standard Colors: OJ=Green, OK=Yellow, OW=White



PowerCat 6A Shielded Patch Panels

PowerCat 6A Patch Panels features the unique DataGate shielded modular jack. These panels offer superior alien crosstalk suppression, exceptional low insertion loss, and enhanced protection against electromagnetic interference (EMI).

Patch Panels are made from robust sheet metal and are supplied with removable rear cable management trays for cable strain relief and neat cable dressing, front and rear port numbering and individual ports may be color coded using connector icon labels for site specific network administration.

- Robust die-cast DataGate modular jacks with spring loaded cable clamps
- 24 port 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 ensures bend radius compliance
- RoHS

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

** Icon Color Options: O2=White, RD=Red, BL=Blue

Copper Solutions PowerCat™ 6



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.

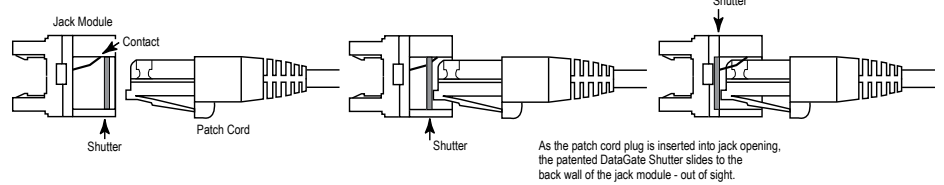
The solution features cable, patch cords, patch panels and wall outlet solutions suitable for a wide range of territorial requirements.

PowerCat 6 UTP DataGate™ Jack

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

- ETL Verified
- Dual Color coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented spring-loaded shutter
- RJ-11 compatible
- Accepts color coded port identification labels
- RoHS compliant

DataGate Shutter Operation



Order No.	SAP No.	Description
KSJ-00018-01	0181970083	PowerCat 6 DataGate Jack, 568A/B Almond color
KSJ-00018-02	0181970080	PowerCat 6 DataGate Jack, 568A/B White color
KSJ-00018-04	0181970081	PowerCat 6 DataGate Jack, 568A/B Black color
KSJ-00018-05	0181970084	PowerCat 6 DataGate Jack, 568A/B Ivory color
KSJ-00018-08	0181970085	PowerCat 6 DataGate Jack, 568A/B Gray color
KSJ-00018-BL	0181970086	PowerCat 6 DataGate Jack, 568A/B Blue color
KSJ-00018-GR	0181970087	PowerCat 6 DataGate Jack, 568A/B Green color
KSJ-00018-RD	0181970088	PowerCat 6 DataGate Jack, 568A/B Red color
KSJ-00018-RG	0181970089	PowerCat 6 DataGate Jack, 568A/B Orange color
KSJ-00018-YL	0181970090	PowerCat 6 DataGate Jack, 568A/B Yellow color
Accessories		
CSP-00021-**-	Consult Molex	Blank 6-Pack Icons (Bag of 10)

** Icon Color Options: 02=White, RD=Red, BL=Blue

PowerCat 6 UTP Patch Cords

PowerCat 6 patch cords are manufactured using high quality unshielded 4 pair Category 6 stranded cable. Available in a range of colors and lengths, PowerCat 6 patch cords are pre-terminated with RJ45 plugs and feature cable strain relief boots with a plug latch protection cap. The slim boot design provides an effective solution to the problem of patch cord congestion in high density 1U active equipment. Ideal for hubs/switches where space between individual RJ45 jacks is limited.

- ETL Verified
- Unshielded 4 pair stranded cable
- Slim Boot Design
- Suitable for high density active equipment with limited space between individual RJ45 jacks
- Suitable for EIA 568A/B applications
- Various cable lengths available upon application
- RoHS compliant



Order No.	SAP No.	Description
PCD-00200-0H	181910341	PowerCat 6 Patch Cord, 568A/B, Blue - 1ft.
PCD-00201-0H	181990007	PowerCat 6 Patch Cord, 568A/B, Blue - 3 ft.
PCD-00202-0H	181990077	PowerCat 6 Patch Cord, 568A/B, Blue - 5 ft.
PCD-00203-0H	181990009	PowerCat 6 Patch Cord, 568A/B, Blue - 7 ft.
PCD-00204-0H	181990082	PowerCat 6 Patch Cord, 568A/B, Blue - 10 ft.
PCD-00205-0H	181990078	PowerCat 6 Patch Cord, 568A/B, Blue - 15 ft.
PCD-00206-0H	181910376	PowerCat 6 Patch Cord, 568A/B, Blue - 25 ft

** Other Standard Colors: BK=Black, OE=Gray, OC=Red
Non-Standard Colors: OJ=Green, OK=Yellow, OW=White

Copper Solutions

PowerCat™ 6



Molex's Category 6 system product range - PowerCat 6 - is designed to comply with the Category 6 standards: TIA-568-C.2, ISO/IEC 11801:2002 and AS/NZS 3080:2002.

The Molex Category 6 system is independently tested and verified by ETL Semko to ensure continuous compliance to channel performance criteria.

PowerCat 6-250 U/UTP Cable

- Supports ultra high speed data networks such as Gigabit Ethernet (1000 BASE-T/1000 BASE-TX) swept to 250MHz
- Full duplex operation capable over four cable pairs
- 1000 ft to 0 ft markers
- Supplied in convenient 1000 ft. (305m)
- Specified and tested to 250MHz
- ETL Verified
- 23 AWG Conductors for improved Insertion Loss Performance
- Overall diameter of .20"
- Available in white, blue and light gray sheaths for application versatility
- UL listed and verified
- RoHS compliant

Order No.	SAP No.	Description
CAA-0195P-02	0181740024	PowerCat 6-250 U/UTP 4 Pair Cable, Plenum, White
CAA-0195P-08	0181740025	PowerCat 6-250 U/UTP 4 Pair Cable, Plenum, Light Gray
CAA-0195P-BL	0181740023	PowerCat 6-250 U/UTP 4 Pair Cable, Plenum, Blue
CAA-0195R-02	0181740027	PowerCat 6-250 U/UTP 4 Pair Cable, Riser, White
CAA-0195R-08	0181740028	PowerCat 6-250 U/UTP 4 Pair Cable, Riser, Light Gray
CAA-0195R-BL	0181740026	PowerCat 6-250 U/UTP 4 Pair Cable, Riser, Blue

Standard Lengths: 1,000 ft (305 m). Specifications subject to change without notice.



PowerCat 6-500 U/UTP Cable

- Supports ultra high speed data networks such as Gigabit Ethernet (1000 BASE-T) swept to 500MHz
- Features innovative pair twisting to ensure optimum Return Loss and NEXT performance and maintains pair twist rate during installation
- Incorporates central spine maintaining pair separation during installation to ensure premium performance
- ETL Verified
- RoHS compliant
- Supplied in convenient 1000 ft
- UL Listed & Verified
- 23 AWG Conductors for improved Insertion Loss Performance
- Available in white, blue and light gray sheaths for application versatility
- 1000 ft. to 0 ft, markers
- Specified and tested to 500MHz

Order No.	SAP No.	Description
CAA-0181P-02	0181700030	PowerCat 6-500 U/UTP 4 Pair Cable, Plenum, White
CAA-0181P-08	0181700028	PowerCat 6-500 U/UTP 4 Pair Cable, Plenum, Light Gray
CAA-0181P-BL	0181700031	PowerCat 6-500 U/UTP 4 Pair Cable, Plenum, Blue
CAA-0181R-02	0181700025	PowerCat 6-500 U/UTP 4 Pair Cable, Riser, White
CAA-0181R-08	0181700023	PowerCat 6-500 U/UTP 4 Pair Cable, Riser, Light Gray
CAA-0181P-BL	0181700024	PowerCat 6-500 U/UTP 4 Pair Cable, Riser, Blue

Note: Standard Lengths: 1,000 ft (305 m). Specifications subject to change without notice.



PowerCat 6 U/UTP Solid Equipment Cord Assemblies

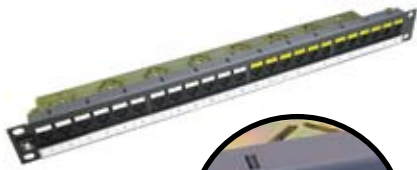
Molex Premise Networks PowerCat 6 Solid U/UTP Cable Assemblies are designed for implementation in Category 6 installations, where Cross Connect equipment cords are required.

- Category 6 performance
- 100% Factory Tested
- Strain relief boots for protection against cable tension
- 23AWG solid conductors
- RoHS Compliant

Order No.	SAP No.	Description
PCD-00456-OE	Consult Molex	PowerCat 6 U/UTP Solid Equipment Cord Assembly Gray 4M
PCD-00457-OE	Consult Molex	PowerCat 6 U/UTP Solid Equipment Cord Assembly Gray 6M
PCD-00458-OE	Consult Molex	PowerCat 6 U/UTP Solid Equipment Cord Assembly Gray 8M
PCD-00459-OE	Consult Molex	PowerCat 6 U/UTP Solid Equipment Cord Assembly Gray 10M

Copper Solutions

PowerCat™ 6



PowerCat 6 Patch Panels

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

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

- DataGate shuttered modular jacks
- ETL verified
- RoHS compliant
- 24 Port 1U, 48 Port 2U
- EIA 568A/B color coded
- Integral rear cable management
- Standard 19" rack mount
- Graphite gray finish

Order No.	SAP No.	Description
PID-00141	182040009	PowerCat 6 24 Port Patch Panel 568A/B UTP, 1U
PID-00142	182040010	PowerCat 6 48 Port Patch Panel 568A/B UTP, 2U
PID-00156	182080297	PowerCat 6 24 Port Angel Patch Panel 568A/B UTP, 1U
PID-00157	182080299	PowerCat 6 48 Port Angle Patch Panel 568A/B UTP, 2U
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CMA-00098	181050023	DataGate Flat Panel Rear Cable Manager
CMA-00097	181050022	Cable Radius Minders - 8 per bag

** Standard Icon Color Options: 02=White, RD=Red, BL=Blue



PowerCat 6 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 utilizing the silk screened areas shown on the front of the panel.

- Available in 24 port, 1U
- Modularity provides installation flexibility
- Easy snap in Keystone Jacks
- Graphite gray finish
- Integral rear cable management
- RoHS compliant

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

PowerCat 6 Keystone Jacks and Faceplates



- Patented IDC V-shaped contacts that flex not fatigue when terminated
- Features pointed IDC towers to speed termination and enhance cable retention
- Dual color coding allows for 568A/B wiring configuration

- Terminated using industry standard punch-down tools
- RJ45 Keystone jack is compatible with any product that accepts the standard keystone profile.
- Molded category identification on jack face
- RoHS compliant
- ETL verified

Order No.	SAP No.	Description
KSJ-00033-01	181970157	PowerCat 6 Keystone Jack 568A/B Almond
KSJ-00033-02	181970158	PowerCat 6 Keystone Jack 568A/B White
KSJ-00033-04	181970160	PowerCat 6 Keystone Jack 568A/B Black
KSJ-00033-05	181970161	PowerCat 6 Keystone Jack 568A/B Ivory
KSJ-00033-08	181970159	PowerCat 6 Keystone Jack 568A/B Gray
KSJ-00033-BL	181970165	PowerCat 6 Keystone Jack 568A/B Blue
KSJ-00033-GR	181970163	PowerCat 6 Keystone Jack 568A/B Green
KSJ-00033-RD	181970167	PowerCat 6 Keystone Jack 568A/B Red
KSJ-00033-RG	181970162	PowerCat 6 Keystone Jack 568A/B Orange
KSJ-00033-YL	181970166	PowerCat 6 Keystone Jack 568A/B Yellow
KSJ-00064.**	Consult Molex	Keystone Blank
Faceplates		
WKP-00001-02	Consult Molex	Keystone Wallplate 1 Port - White
WKP-00002-02	Consult Molex	Keystone Wallplate 2 Port - White
WKP-00004-02	Consult Molex	Keystone Wallplate 4 Port - White

** Color options: 10 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange
KSJ-00033 Keystone jacks are not compatible with Synergy, Streamline or US011 wallplates, surface mount boxes or modular outlets.

Copper Solutions PowerCat™ 5E



Molex's Category 5E product range is known as the PowerCat system. 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-100 U/UTP Cable

Molex Category 5E-100 cable is designed for horizontal network and voice applications in a structured cabling system.

- Specified and tested to 100 MHz
- ETL verified to TIA-568-C.2 Cat 5E and ISO/IEC 11801
- 1000 foot to 0 foot markers
- RoHS compliant

Order No.	SAP No.	Description
CAA-0184P-02	0181700047	PowerCat 5E-100 4 Pair Cable, Plenum White
CAA-0184P-08	0181700048	PowerCat 5E-100 4 Pair Cable, Plenum Lt Gray
CAA-0184P-BL	0181700046	PowerCat 5E-100 4 Pair Cable, Plenum Blue
CAA-0184R-02	0181700044	PowerCat 5E-100 4 Pair Cable, Riser White
CAA-0184R-08	0181700045	PowerCat 5E-100 4 Pair Cable, Riser Lt Gray
CAA-0184R-BL	0181700043	PowerCat 5E-100 4 Pair Cable, Riser Blue

Standard Lengths: 1,000 ft (305 m). Specifications subject to change without notice.



PowerCat 5E UTP Patch Cords

- Unshielded 4 pair stranded cable
- Slim Boot Design
- Suitable for high density active equipment with limited space between individual RJ45 jacks
- Available in a variety of internationally recognized RAL colors

- Suitable for EIA 568A/B applications
- Additional colors and cable lengths available for custom applications
- PVC sheath
- RoHS compliant

Order No.	SAP No.	Description
PCD-00173-0H	181910159	PowerCat 5E Patch Cord, 568A/B, Blue - 1 ft.
PCD-00174-0H	181910166	PowerCat 5E Patch Cord, 568A/B, Blue - 3 ft.
PCD-00175-0H	181910173	PowerCat 5E Patch Cord, 568A/B, Blue - 5 ft.
PCD-00176-0H	181910180	PowerCat 5E Patch Cord, 568A/B, Blue - 7 ft.
PCD-00177-0H	181910187	PowerCat 5E Patch Cord, 568A/B, Blue - 10 ft.
PCD-00178-0H	181910194	PowerCat 5E Patch Cord, 568A/B, Blue - 15 ft.
PCD-00179-0H	181910201	PowerCat 5E Patch Cord, 568A/B, Blue - 25 ft.

** Color Options: Let's list as follows: Other Standard Colors BK-Black, OE-Gray, OC-Red Non-Standard Colors OJ-Green, OK-Yellow, OW-White. Other colors and lengths available upon request. See Index for additional SAP Numbers.



PowerCat 5E DataGate Jacks

- Unshielded 4 pair stranded cable
- Patented Spring-Loaded Shutter:
 - prevents incomplete mating
 - protects from dust and contaminants
- Dual color-coding allows for 568 A/B wiring configuration
- Patented IDC V-shaped contacts that flex not fatigue when terminated

- Can be terminated using industry standard punch-down tools
- Molded category identification on jack face as well as optional port identification icons
- Available in 10 standard colors
- 100% factory tested
- RoHS compliant

Order No.	SAP No.	Description
KSJ-00024-01	0181970102	PowerCat 5E DataGate Jack, 568A/B Almond
KSJ-00024-02	0181970103	PowerCat 5E DataGate Jack, 568A/B White
KSJ-00024-04	0181970105	PowerCat 5E DataGate Jack, 568A/B Black
KSJ-00024-05	0181970106	PowerCat 5E DataGate Jack, 568A/B Ivory
KSJ-00024-08	0181970104	PowerCat 5E DataGate Jack, 568A/B Gray
KSJ-00024-BL	0181970110	PowerCat 5E DataGate Jack, 568A/B Blue
KSJ-00024-GR	0181970108	PowerCat 5E DataGate Jack, 568A/B Green
KSJ-00024-RD	0181970112	PowerCat 5E DataGate Jack, 568A/B Red
KSJ-00024-RG	0181970107	PowerCat 5E DataGate Jack, 568A/B Orange
KSJ-00024-YL	0181970111	PowerCat 5E DataGate Jack, 568A/B Yellow
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)

**Standard Icon Color Options: 02=White, RD=Red, BL=Blue

Copper Solutions

PowerCat™ 5E



PowerCat 5E Patch Panels

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

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

- Features DataGate shutter modular jacks
- 24 port 1U & 48 Port 2U
- Category 5E performance
- EIA 568A/B wired
- Standard 19" rack mount
- Individually removable patch panel ports
- Integral cable management tray
- Graphite gray finish

Order No.	SAP No.	Description
PID-00174	182080372	PowerCat 5E 24 Port Patch Panel 568A/B UTP, 1U
PID-00175	0182080374	PowerCat 5E 48 Port Patch Panel 568A/B UTP, 2U
PID-00154	0182020245	PowerCat 5E 24 Port Angel Patch Panel 568A/B UTP, 1U
PID-00155	0182080295	PowerCat 5E 48 Port Angle Patch Panel 568A/B UTP, 2U
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CSP-00032	Consult Molex	Label holder kit (Bag of 10)
CMA-00098	181050023	DataGate Flat Panel Rear Cable Manager
CMA-00097	181050022	Cable Radius Minders - 8 per bag

** Standard Icon Color Options: O2=White, RD=Red, BL=Blue



PowerCat 5E Standard Grade Patch Panels

Standard Grade patch panels are a versatile means for connecting horizontal cabling. Featuring an integral rear cable management tray for ease of installation and cable dressing. Suitable for high speed data transmission, these panels feature Molex's patented KATT IDC.

- Rear IDC section is KATT connector technology
- Front and rear port labeling
- 8-port jack fields
- International hardware kit contains ANSI and metric hardware
- RoHS compliant

Order No.	SAP No.	Description
PID-00121	0181520011	PowerCat 5E 24 Port Standard Grade Patch Panel, 568B, 1U
PID-00122	0181520012	PowerCat 5E 48 Port Standard Grade Patch Panel, 568B, 2U

Note: 568A wired panels available on request

Copper Solutions

PowerCat™ 5E



PowerCat UTP High Density Patch Panels

PowerCat High Density Patch Panels are 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.

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

Order No.	SAP No.	Description
PID-00073	0181820012	PowerCat 5E High Density 48 Port Patch Panel, 568B, 1U



89D 12 Port Patch Panel

The 89D Patch Panel is a 12 port patch panel which is mounted into an 89D bracket. The patch panel is ideal for smaller applications, such as a branch or small office environment. A vertical configuration utilizes IDC terminations and printed circuit board. Once the bracket is mounted onto the wall, the patch panel can be snapped in for port access or in reverse for cable access. Plastic cable ties can be used for cable management.

- 12 port configuration
- Rear IDC technology
- Both 568A and 568B applicable
- Wall mountable
- RoHS compliant

Order No.	SAP No.	Description
KPD-00077	0181980047	12 Port Category 5E 89D Patch Panel 568B

Copper Solutions PowerCat™ 5E



PowerCat 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.

- Available in 24 port, 1U
- Modularity provides installation flexibility
- Easy snap in Keystone Jacks
- Rear cable management included
- Graphite gray finish

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

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

PowerCat 5E Keystone Jacks and Faceplates



- Patented IDC V-shaped contacts that flex not fatigue when terminated
- Features pointed IDC towers to speed termination and enhance cable retention
- Dual color coding allows for 568A/B wiring configuration
- Can be terminated using industry standard punch-down tools
- RJ45 Keystone jack is compatible with any product that accepts the standard keystone profile.
- Molded category identification on jack face
- RoHS compliant

Order No.	SAP No.	Description
KSJ-00032-01	181970168	PowerCat 5E Keystone Jack 568A/B Almond
KSJ-00032-02	181970169	PowerCat 5E Keystone Jack 568A/B White
KSJ-00032-04	181970171	PowerCat 5E Keystone Jack 568A/B Black
KSJ-00032-05	181970172	PowerCat 5E Keystone Jack 568A/B Ivory
KSJ-00032-08	181970170	PowerCat 5E Keystone Jack 568A/B Gray
KSJ-00032-BL	181970176	PowerCat 5E Keystone Jack 568A/B Blue
KSJ-00032-GR	181970174	PowerCat 5E Keystone Jack 568A/B Green
KSJ-00032-RD	181970178	PowerCat 5E Keystone Jack 568A/B Red
KSJ-00032-RG	181970173	PowerCat 5E Keystone Jack 568A/B Orange
KSJ-00032-YL	181970177	PowerCat 5E Keystone Jack 568A/B Yellow
KSJ-00064-**	Consult Molex	Keystone Blank
Faceplates		
WKP-00001-02	Consult Molex	Keystone Wallplate 1 Port - White
WKP-00002-02	Consult Molex	Keystone Wallplate 2 Port - White
WKP-00004-02	Consult Molex	Keystone Wallplate 4 Port - White

** Color options: 10 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange
KSJ-00033 Keystone jacks are not compatible with Synergy, Streamline or US01 wallplates, surface mount boxes or modular outlets.

Copper Solutions MOD, Multimedia and Router Panels

The Molex MOD & Multimedia system provides a complete range of products to facilitate a complete voice cabling system, including; patch panels, termination modules, mounting frames, distribution boxes, tester interfaces and over-voltage protection.

MOD Patch Panel

MOD Patch Panels provide simple, easy to use closet cross connects that convert 50-position feeder cables to individual modular jack channels. They are available in 2, 4 and 8 wire (24 AWG) polarizations. All wiring is totally enclosed. A Velcro cable retainer allows 50-position installation without tools. Standard product comes with 50-position female receptacles on rear of patching. Available for USOC, 568A, 568B or 10BASE-T sequences.

- Available in 24 port, 1U
- Available in 2,4 and 8 wire polarizations
- All wiring is totally enclosed
- Standard product comes with 50 position female receptacles
- Available for USOC, 568A, 568B or 10BASE-T sequences



Order No.	SAP No.	Description
TIA 568B/356A		
27.6E.241.B004G	0180810002	24 Port 1U 4-50 position F 8W 568B Patch Panel
USOC		
27.6E.259.B001G	0181100001	25 Port 1U 1-50 position F 2W USOC Patch Panel
27.6E.249.B002G	0181090005	24 Port 1U 3-50 position F 6W USOC Patch Panel

Media Configurable Patch Panels

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

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



Order No.	SAP No.	Description
PID-00076	0182080054	1U 24 Port Multimedia Patch Panel
PUS-00008	0180090005	1U USP Panel

T1 Patch Panel

The T1 Patch Panel provides network connections for 1.544 Mbps digital services. Often referred to as a DS1 signal, T1 is a transmission repeater system used to carry digitized voice over four wire twisted pair cabling. The front of the T1 Patch Panel is channel numbered and includes snap on designation strips with paper inserts for custom channel identification. The back of the panel features patented KATT IDC contacts and an integral shelf with tie downs for strain relief.

- Front panel is channel numbered
- Includes snap on designation for custom channel identification
- Features patented KATT IDC contacts on the back
- Integral cable management shelf
- RoHS compliant



Order No.	SAP No.	Description
27.1F.241.B004G	0180350003	1U 24 Port T1 Patch Panel - Category 3

PDS Solutions Category 6



D



The Category 6 Premise Distribution System 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 utilizes split-pair technology to provide Category 6 performance.

- High performance IDC
- Independently tested
- Gas tight termination

Order No.	SAP No.	Description
KPD-00088	0181980071	110-Category 6 C4 Connectors (Bag of 100)



Category 6 PDS 96 Pair Termination Block Kits

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

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

Order No.	SAP No.	Description
KPD-00078	0181980088	96 Pair Block Kit Without Legs & with 24 110 Style Category 6 C4 Connectors
KPD-00079	0181980068	96 Pair Block Kit With Legs & with 24 110 Style Category 6 C4 Connectors
KPD-00089	0181980072	96 Pair Base Without Legs (No Connectors) C6
KPD-00090	0181980073	96 Pair Base With Legs (No Connectors) C6



Category 6 19" PDS Rack Mount Panels

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

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

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

PDS Solutions

Category 6



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 polarized to prevent accidental reversal of the cord - a molded-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	0180420088	110 Style Patch Cord, 4 pair to 4 pair, C6 1m- Gray (bag of 1)
KPC-00162	0180420089	110 Style Patch Cord, 4 pair to 4 pair, C6 2m - Gray (bag of 1)
KPC-00163	0180420090	110 Style Patch Cord, 4 pair to 4 pair, C6 3m - Gray (bag of 1)
KPC-00165	0180420091	110 Style Patch Cord, 4 pair to 4 pair, C6 5m - Gray (bag of 1)
KPC-00171	0180420092	110 Style Patch Cord, 4 pair to RJ45, C6 1m- Gray (bag of 1)
KPC-00172	0180420093	110 Style Patch Cord, 4 pair to RJ45, C6 2m- Gray (bag of 1)
KPC-00173	0180420094	110 Style Patch Cord, 4 pair to RJ45, C6 3m- Gray (bag of 1)
KPC-00175	0180420095	110 Style Patch Cord, 4 pair to RJ45, C6 5m- Gray (bag of 1)



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.

- 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

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.

Order No.	SAP No.	Description
KPD-00087	0181980070	Category 6 110 Style Multi Pair Termination Tool with head & handle
KPD-00086	0181980069	Category 6 110 Style Multi Pair Termination Tool replacement head

PDS Solutions

Category 5E

110 PDS

D



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

refurbishment programs.

Category 5E 110 PDS Connectors

Molex's 110 Style Connector is a high-performance IDC capable of providing all your voice and data interconnect needs. It has been independently tested to EIA/TIA standards to assure a gas-tight, Enhanced Category 5 connection. The Molex 110 style connector is fully compatible with other 110 style components, including; 110 style bases, tools, patch cords and test heads.

- Industry standard wall mount format
- Available in 4 pair (8 pos) and 5 pair (10 pos) versions
- Enhanced Category 5 performance compliant
- IDC contact accepts one conductor only
- RoHS compliant

Order No.	SAP No.	Description
KPD-00058	0181980022	110-Category 5E C4 Connectors (bag of 100)
KPD-00059	0181980023	110-Category 5E C5 Connectors (bag of 100)

Category 5E 110 PDS Termination Block Kits

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

- Industry standard wall mount format
- Available with or without mounting legs
- Features cut-outs for cable routing for easier installation and enables cable sheathing to be maintained down to 25mm
- Available as a kit with IDC connectors or as a stand alone base
- Supplied with label cards and holders
- RoHS compliant



KPD-00045

Order No.	SAP No.	Description
KPD-00045	0181980031	100 Pair Block Kit with legs & with 24 110 Style Category 5E C4 connectors
KPD-00046	0181980032	100 Pair Block Kit with legs & with 20 110 Style Category 5E C5 connectors
KPD-00047	0181980033	300 Pair Block Kit with legs & with 72 110 Style Category 5E C4 connectors
KPD-00048	0181980034	300 Pair Block Kit with legs & with 60 110 Style Category 5E C5 connectors

110 PDS Rack Mount Panels

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

- Industry standard wall mount format
- Standard 19" rack mount
- Enhanced Category 5 performance
- 200 pair capacity
- Supplied with label cards and holders
- 3U - small cable management rings for low density applications
- 4U - large cable management rings for high density applications
- RoHS compliant



Order No.	SAP No.	Description
KPD-00060	0181980043	200 Pair 3U PDS Kit with 48 110 Style Category 5E C4 connectors
KPD-00061	0181980044	200 Pair 3U PDS Kit with 40 110 Style Category 5E C5 connectors
KPD-00062	0181980045	200 Pair 4U PDS Kit with 48 110 Style Category 5E C4 connectors
KPD-00063	0181980046	200 Pair 4U PDS Kit with 40 110 Style Category 5E C5 connectors

Free Space Optics Canobeam™



Canobeam is a free space optics solution that provides a point-to-point wireless optical beam transmission system. Typically set-up to transmit data between two structures, Canobeam is ideally suited where no fiber is available, where fiber is too costly, and for back-up transmission systems and

disaster recovery systems. Canobeam is a highly reliable and secure technology. It is also protocol independent and transmits any higher layer protocol including Ethernet, SDH, ATM, TCP/IP up to Gigabit speeds.

Model MF50-110

The Canobeam family incorporates real-time beam auto tracking to provide high availability point-to-point wireless connectivity, designed to support high speed applications. As part of the Molex total structured cabling solution, Canobeam is ideal for campus and building-to-building connectivity as either a primary or backup backbone link. The robust Canobeam can be installed outside or in a window for point-to-point applications.

- Protocol Independent
- Supports transmission speeds of 25 to 156 Mbps
- Reliable transmission distances of 20 to 500 meters
- Real time auto tracking function maintains beam alignment compensating for changes in the installation due to environmental factors
- Requires no radio frequency allocations, permits or licenses
- Highly secure data links
- Economical installation and operating costs
- SNMP Management available

Order No.	SAP No.	Description
MF50-110-Type SFP	0180600108	25-156 Mbps FSO Wireless 20-500 Meter
MF50-110-48V-Type SFP	TBD	48V DC 25-156 Mbps FSO Wireless 20-500 Meter
MF50-SFPMM	0180600111	100Base-FX, OC3, STM SONET MM SFP MOD module
MF50-SFPSM	0180600112	100Base-FX, OC3, STM SONET SM SFP MOD module
FA-100	0180600097	Pan Tilt Swivel Mounting Bracket

* Fast Ethernet requires Full Duplex Interface



Model MF50-120

The Canobeam family incorporates real-time beam auto tracking to provide high availability point-to-point wireless connectivity, designed to support high speed applications. As part of the Molex total structured cabling solution, Canobeam is ideal for campus and building-to-building connectivity as either a primary or backup backbone link. The robust Canobeam can be installed outside or in a window for point-to-point applications.

- Protocol Independent
- Supports transmission speeds of 25 to 156 Mbps
- Reliable transmission distances of 100 to 2000 meters
- Real time auto tracking function maintains beam alignment compensating for changes in the installation due to environmental factors
- Requires no radio frequency allocations, permits or licenses
- Highly secure data links
- Economical installation and operating costs
- SNMP Management available

Order No.	SAP No.	Description
MF50-120-Type SFP	0180600108	25-156 Mbps FSO Wireless 20-500 Meter
MF50-120-48V-Type SFP	TBD	48V DC 25-156 Mbps FSO Wireless 20-500 Meter
MF50-SFPMM	0180600111	100Base-FX, OC3, STM SONET MM SFP MOD module
MF50-SFPSM	0180600112	100Base-FX, OC3, STM SONET SM SFP MOD module
FA-100	0180600097	Pan Tilt Swivel Mounting Bracket

* Fast Ethernet requires Full Duplex Interface



Model MF50-130

The Canobeam family incorporates real-time beam auto tracking to provide high availability point-to-point wireless connectivity, designed to support Gigabit Ethernet applications. As part of the Molex total structured cabling solution, Canobeam is ideal for campus and building-to-building connectivity as either a primary or backup backbone link. The robust Canobeam can be installed outside or in a window for point-to-point applications.

- Protocol Independent
- Supports transmission speeds of 1.25 Gbps
- Reliable transmission distances of 100 to 1000 meters
- Real time auto tracking function maintains beam alignment compensating for changes in the installation due to environmental factors
- Requires no radio frequency allocations, permits or licenses
- Highly secure data links
- Economical installation and operating costs
- SNMP Management available

Order No.	SAP No.	Description
MF50-130-Type SFP	0180600110	1.25 Gbps FSO Wireless 100-1000 Meter
MF50-130 48V-Type SFP	TBD	48V DC 1.25 Gbps FSO Wireless 100-1000 Meter
MF50-SFPSX	0180600113	Gigabit Ethernet MM SFP MOD module
MF50-SFPLX	0180600114	Gigabit Ethernet SM SFP MOD module
FA-100	0180600097	Pan Tilt Swivel Mounting Bracket

Canobeam™ is a trademark of Canon and appears courtesy of Canon.

Optical Fiber Solution Lightband™

Molex manufactures some of the most comprehensive fiber systems in the structured cabling market. Molex offers total fiber solutions, ideal for either Backbone or To-The-Desk applications.

Building Distribution Cable



Building Distribution Cable

- Easy strip buffers enable fast, consistent stripping for termination
- Flexible, small diameter cable with high tensile strength for cable routing and installation
- Listed OFNR/FT4, OFNP/FT6 and also available in low smoke zero halogen
- RoHS compliant

NON-PLENUM-OFNR

62.5/125 (OM1)	SAP No.	50/125 (OM2)	SAP No.	Description
AFO Z R 002 OM1	TBD	AFO Z R 002 OM2	TBD	2 Fiber, Zip Cordage
AFO C R 002 OM1	0180580132	AFO C R 002 OM2	0180580130	2 Fiber, Round Cordage
AFO C R 004 OM1	0180580133	AFO C R 004 OM2	0180580131	4 Fiber, Round Cordage
AFO B R 006 OM1	0180580144	AFO B R 006 OM2	0180850088	6 Fiber, Building Indoor
AFO B R 012 OM1	0180580146	AFO B R 012 OM2	0180850090	12 Fiber, Building Indoor
AFO B R 024 OM1	0180580147	AFO B R 024 OM2	0180850091	24 Fiber, Building Indoor
AFO B R 048 OM1	0180580149	AFO B R 048 OM2	0180850093	48 Fiber, Building Indoor
AFO B R 072 OM1	0180580151	AFO B R 072 OM2	0180850095	72 Fiber, Building Indoor
AFO B R 144 OM1	0180580153	AFO B R 144 OM2	0180850097	144 Fiber, Building Indoor

50/125 (OM3)	SAP No.	9/125 (OS1)	SAP No.	Description
AFO Z R 002 OM3	TBD	AFO Z R 002 OS1	TBD	2 Fiber, Zip Cordage
AFO C R 002 OM3	0180580128	AFO C R 002 OS1	0180580134	2 Fiber, Round Cordage
AFO C R 004 OM3	0180580129	AFO C R 004 OS1	0180580135	4 Fiber, Round Cordage
AFO B R 006 OM3	0180580068	AFO B R 006 OS1	0180850108	6 Fiber, Building Indoor
AFO B R 012 OM3	0180580070	AFO B R 012 OS1	0180850110	12 Fiber, Building Indoor
AFO B R 024 OM3	0180580071	AFO B R 024 OS1	0180850111	24 Fiber, Building Indoor
AFO B R 048 OM3	0180580073	AFO B R 048 OS1	0180850113	48 Fiber, Building Indoor
AFO B R 072 OM3	0180580075	AFO B R 072 OS1	0180850115	72 Fiber, Building Indoor
AFO B R 144 OM3	0180580077	AFO B R 144 OS1	0180850117	144 Fiber, Building Indoor

PLENUM-OFNP

62.5/125 (OM1)	SAP No.	50/125 (OM2)	SAP No.	Description
AFO Z P 002 OM1	TBD	AFO Z P 002 OM2	TBD	2 Fiber, Zip Cordage
AFO C P 002 OM1	0180580140	AFO C P 002 OM2	0180580138	2 Fiber, Round Cordage
AFO C P 004 OM1	0180580141	AFO C P 004 OM2	0180580139	4 Fiber, Round Cordage
AFO B P 006 OM1	0180580154	AFO B P 006 OM2	0180580098	6 Fiber, Building Indoor
AFO B P 012 OM1	0180580156	AFO B P 012 OM2	0180580100	12 Fiber, Building Indoor
AFO B P 024 OM1	0180580157	AFO B P 024 OM2	0180580101	24 Fiber, Building Indoor
AFO B P 048 OM1	0180580159	AFO B P 048 OM2	0180580103	48 Fiber, Building Indoor
AFO B P 072 OM1	0180580161	AFO B P 072 OM2	0180580105	72 Fiber, Building Indoor
AFO B P 144 OM1	0180580163	AFO B P 144 OM2	0180580107	144 Fiber, Building Indoor

50/125 (OM3)	SAP No.	9/125 (OS1)	SAP No.	Description
AFO Z P 002 OM3	TBD	AFO Z P 002 OS1	TBD	2 Fiber, Zip Cordage
AFO C P 002 OM3	0180580136	AFO C P 002 OS1	0180580142	2 Fiber, Round Cordage
AFO C P 004 OM3	0180580137	AFO C R 004 OS1	0180580143	4 Fiber, Round Cordage
AFO B P 006 OM3	0180580078	AFO B P 006 OS1	0180580118	6 Fiber, Building Indoor
AFO B P 012 OM3	0180580080	AFO B P 012 OS1	0180580120	12 Fiber, Building Indoor
AFO B P 024 OM3	0180580081	AFO B P 024 OS1	0180580121	24 Fiber, Building Indoor
AFO B P 048 OM3	0180580083	AFO B P 048 OS1	0180580123	48 Fiber, Building Indoor
AFO B P 072 OM3	0180580085	AFO B P 072 OS1	0180580125	72 Fiber, Building Indoor
AFO B P 144 OM3	0180580087	AFO B P 144 OS1	0180580127	144 Fiber, Building Indoor

Note: Other fiber counts and hybrid multimode - Singlemode cables are available. Consult factory for information.

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Optical Fiber Solution Lightband™



Loose Tube Cable

Molex Advanced Fiber Optic Loose Tube Indoor/Outdoor cables utilize dry water blocking technology and super absorbent polymers rather than traditional petroleum based gels both inside the fiber tubes and the core of the cable. Molex offers designs for both plenum (OFNP) and non-plenum (riser/OFNR) flame rated applications while meeting the demanding requirements for outside plant installations. The versatile design allows users to install a single cable for both their indoor and outdoor environments without mechanical or optical compromise.

- All Dielectric cable construction requires no grounding or bonding
- Totally dry water blocked cable requires no cleaning of gels while fully meeting water blocking requirements of gel filled cables
- No transition required from outside plant cable to tight buffered flame rated indoor cable
- No transition means material cost savings, labor savings and optical loss budget savings
- RoHS compliant

NON-PLENUM-OFNR

62.5/125 (OM1)	SAP No.	50/125 (OM2)	SAP No.	Description
AFO I R 012 OM1	0180580173	AFO I R 012 OM2	0180580191	12 Fiber, Non-Plenum
AFO I R 024 OM1	0180580174	AFO I R 024 OM2	0180580192	24 Fiber, Non-Plenum
AFO I R 048 OM1	0180580176	AFO I R 048 OM2	0180580194	48 Fiber, Non-Plenum
AFO I R 072 OM1	0180580178	AFO I R 072 OM2	0180580196	72 Fiber, Non-Plenum
AFO I R 144 OM1	0180580180	AFO I R 144 OM2	0180580198	144 Fiber, Non-Plenum
50/125 (OM3)	SAP No.	9/125 (OS1)	SAP No.	Description
AFO I R 012 OM3	0180580209	AFO I R 012 OS1	0180580227	12 Fiber, Non-Plenum
AFO I R 024 OM3	0180580210	AFO I R 024 OS1	0180580228	24 Fiber, Non-Plenum
AFO I R 048 OM3	0180580212	AFO I R 048 OS1	0180580230	48 Fiber, Non-Plenum
AFO I R 072 OM3	0180580214	AFO I R 072 OS1	0180580232	72 Fiber, Non-Plenum
AFO I R 144 OM3	0180580216	AFO I R 144 OS1	0180580234	144 Fiber, Non-Plenum

PLENUM-OFNP

62.5/125 (OM1)	SAP No.	50/125 (OM2)	SAP No.	Description
AFO I P 012 OM1	0180580182	AFO I P 012 OM2	0180580200	12 Fiber, Plenum
AFO I P 024 OM1	0180580183	AFO I P 024 OM2	0180580201	24 Fiber, Plenum
AFO I P 048 OM1	0180580185	AFO I P 048 OM2	0180580203	48 Fiber, Plenum
AFO I P 072 OM1	0180580187	AFO I P 072 OM2	0180580205	72 Fiber, Plenum
AFO I P 144 OM1	0180580189	AFO I P 144 OM2	0180580207	144 Fiber, Plenum
50/125 (OM3)	SAP No.	9/125 (OS1)	SAP No.	Description
AFO I P 012 OM3	0180580218	AFO I P 012 OS1	0180580236	12 Fiber, Plenum
AFO I P 024 OM3	0180580219	AFO I P 024 OS1	0180580237	24 Fiber, Plenum
AFO I P 048 OM3	0180580221	AFO I P 048 OS1	0180580239	48 Fiber, Plenum
AFO I P 072 OM3	0180580223	AFO I P 072 OS1	0180580241	72 Fiber, Plenum
AFO I P 144 OM3	0180580225	AFO I P 144 OS1	0180580243	144 Fiber, Plenum

Optical Fiber Solution Lightband™

Molex's advanced manufacturing process provides exceptional performance in patch cord assemblies. Molex maintains strict control over the ferrule endface surface.

Optical Fiber Patch Cords

Molex offers a comprehensive range of Fiber Optic Patch Cords in both standard and custom construction. Refer to the Special Construction Matrix Model to configure custom patch cords.

- Available with popular SC, LC, ST and MT-RJ connectors
- Flexible, small OD 2mm x 4.1mm mini cordage
- Insertion Loss - Singlemode: 0.40 dB per connector
Multimode: <0.30 dB per connector
- All assemblies are 100% factory tested
- Test results included with all patch cords
- RoHS compliant



F

62.5µm OM1 Multimode Duplex Patch Cords

Order No.	SAP No.	Description	End 1	End 2
91.11.671.00100	Consult Molex	OM1 2mm Cordage 1 Meter	ST	ST
91.19.671.00100	Consult Molex	OM1 2mm Cordage 1 Meter	ST	SC
91.99.671.00100	Consult Molex	OM1 2mm Cordage 1 Meter	SC	SC
91.9L.671.00100	Consult Molex	OM1 2mm Cordage 1 Meter	SC	LC
91.9B.671.00100	Consult Molex	OM1 2mm Cordage 1 Meter	SC	MT-RJ (F)
91.LL.671.00100	Consult Molex	OM1 2mm Cordage 1 Meter	LC	LC
91.BB.671.00100	Consult Molex	OM1 2mm Cordage 1 Meter	MT-RJ (F)	MT-RJ (F)

NOTE: Replace 00100 in the Order No. as follows for these standard lengths: 2 Meter = 00200, 3 Meter = 00300, 5 Meter = 00500, 10 Meter = 01000, 15 Meter = 01500

50µm OM2 Multimode Duplex Patch Cords

Order No.	SAP No.	Description	End 1	End 2
91.19.571.00100	Consult Molex	OM2 2mm Cordage 1 Meter	ST	SC
91.99.571.00100	Consult Molex	OM2 2mm Cordage 1 Meter	SC	SC
91.9L.571.00100	Consult Molex	OM2 2mm Cordage 1 Meter	SC	LC
91.9B.571.00100	Consult Molex	OM2 2mm Cordage 1 Meter	SC	MT-RJ (F)
91.LL.571.00100	Consult Molex	OM2 2mm Cordage 1 Meter	LC	LC
91.BB.571.00100	Consult Molex	OM2 2mm Cordage 1 Meter	MT-RJ (F)	MT-RJ (F)

NOTE: Replace 00100 in the Order No. as follows for these standard lengths: 2 Meter = 00200, 3 Meter = 00300, 5 Meter = 00500, 10 Meter = 01000, 15 Meter = 01500

50µm Laser Optimized 10G OM3 Multimode Duplex Patch Cords

Order No.	SAP No.	Description	End 1	End 2
91.99.371.00100	Consult Molex	OM3 2mm Cordage 1 Meter	SC	SC
91.9L.371.00100	Consult Molex	OM3 2mm Cordage 1 Meter	SC	LC
91.LL.371.00100	Consult Molex	OM3 2mm Cordage 1 Meter	LC	LC

NOTE: Replace 00100 in the Order No. as follows for these standard lengths: 2 Meter = 00200, 3 Meter = 00300, 5 Meter = 00500, 10 Meter = 01000, 15 Meter = 01500



Optical Fiber Solution Lightband™



Singlemode OS1 Duplex Patch Cards

Order No.	SAP No.	Description	End 1	End 2
91.11.871.00100	Consult Molex	OS1 2mm Cordage 1 Meter	ST	ST
91.19.871.00100	Consult Molex	OS1 2mm Cordage 1 Meter	ST	SC
91.99.871.00100	Consult Molex	OS1 2mm Cordage 1 Meter	SC	SC
91.9L.871.00100	Consult Molex	OS1 2mm Cordage 1 Meter	SC	LC
91.LL.871.00100	Consult Molex	OS1 2mm Cordage 1 Meter	LC	LC

NOTE: Replace 00100 in the Order No. as follows for these standard lengths: 2 Meter = 00200, 3 Meter = 00300, 5 Meter = 00500, 10 Meter = 01000, 15 Meter = 01500



Patch Cord Special Construction Matrix Model

91.	XX.	X	X	X.	XXX	X	0	
Family Code	Connectors	Fiber Type	Cable Type	Jacket Material	Length	Polish	Jacket Color	
	No Conn ST FDDI SC Simplex Escon ST-II ST w/90° boot SMA SC w/90° boot SC Duplex MT-RJ (m) MT-RJ (f) FC LC LC= 90° MU SC/APC FC/APC	0 1 2 3 4 5 6 7 8 9 A B F L J U C G	3 = 10G Enhanced 50µm OM3 5 = 50/125µm OM2 6 = 625./125µm OM1 8 = SM OS1 9 = SM Dispersion Shifted	1 = 3mm Simplex 2 = 3mm Duplex 3 = 900um Tight Buffer 4 = 1.6mm Simplex 5 = 1.6mm Duplex 6 = 2mm Simplex 7 = 2mm Duplex 8 = Gemini (MT-RJ)	1 = Default (PVC) 2 = LSZH 3 = Plenum	XXX = Length in meters	0 = Default (MM = PC, SM = UPC) 1 = SPC 3 = APC	0 = Default (MM = Orange, 10G = Aqua, SM = Yellow) N = Orange E = Gray K = Yellow C = Red J = Green B = Blue W = White

EXAMPLE: 91.11.811.100.00 = ST-ST SM 3mm Simplex PVC 100m UPC Polish, Yellow
Please consult factory for customized constructions.

Optical Fiber Solution Lightband™

Molex offers a wide range of fiber optic pigtails in both standard and custom construction. Standard constructions are available with the popular LC, SC and ST connectors on 900µm buffered fiber in four glass types. All our fiber optic pigtails are RoHS compliant.

Single Fiber Pigtails (1 meter)



Order No.	SAP No.	Description	Connector
91.10.631.00100	0180590363	62.5µm (OM1) MM Pigtail	ST
91.30.631.00100	0180590340	62.5µm (OM1) MM Pigtail	SC
91.L0.631.00100	0180590553	62.5µm (OM1) MM Pigtail	LC
91.10.531.00100	0180590547	50µm (OM2) MM Pigtail	ST
91.30.531.00100	0180590549	50µm (OM2) MM Pigtail	SC
91.L0.531.00100	0180590341	50µm (OM2) MM Pigtail	LC
91.30.331.00100	0180590548	50µm (OM3) MM Pigtail	SC
91.L0.331.00100	0180590552	50µm (OM3) MM Pigtail	LC
91.10.831.00100	0180590446	(OS1) SM Pigtail	ST
91.30.831.00100	0180590550	(OS1) SM Pigtail	SC
91.L0.831.00100	0180590554	(OS1) SM Pigtail	LC

Six Fiber Pigtails (2 meters)



Order No.	SAP No.	Description	Connector
91-BR006OM1-10-002	0180590523	62.5µm (OM1) MM Pigtail	ST
91-BR006OM1-30-002	0180590524	62.5µm (OM1) MM Pigtail	SC
91-BR006OM1-L0-002	0180590525	62.5µm (OM1) MM Pigtail	LC
91-BR006OM2-10-002	0180590526	50µm (OM2) MM Pigtail	ST
91-BR006OM2-30-002	0180590527	50µm (OM2) MM Pigtail	SC
91-BR006OM2-L0-002	0180590528	50µm (OM2) MM Pigtail	LC
91-BR006OM3-10-002	0180590529	50µm (OM3) MM Pigtail	ST
91-BR006OM3-30-002	0180590530	50µm (OM3) MM Pigtail	SC
91-BR006OM3-L0-002	0180590531	50µm (OM3) MM Pigtail	LC
91-BR006OS1-10-002	0180590532	(OS1) SM Pigtail	ST
91-BR006OS1-30-002	0180590533	(OS1) SM Pigtail	SC
91-BR006OS1-L0-002	0180590534	(OS1) SM Pigtail	LC

Twelve Fiber Pigtails (2 meters)



Order No.	SAP No.	Description	Connector
91-BR012OM1-10-002	0180590535	62.5µm (OM1) MM Pigtail	ST
91-BR012OM1-30-002	0180590536	62.5µm (OM1) MM Pigtail	SC
91-BR012OM1-L0-002	0180590537	62.5µm (OM1) MM Pigtail	LC
91-BR012OM2-10-002	0180590538	50µm (OM2) MM Pigtail	ST
91-BR012OM2-30-002	0180590539	50µm (OM2) MM Pigtail	SC
91-BR012OM2-L0-002	0180590540	50µm (OM2) MM Pigtail	LC
91-BR012OM3-10-002	0180590541	50µm (OM3) MM Pigtail	ST
91-BR012OM3-30-002	0180590542	50µm (OM3) MM Pigtail	SC
91-BR012OM3-L0-002	0180590543	50µm (OM3) MM Pigtail	LC
91-BR012OS1-10-002	0180590544	(OS1) SM Pigtail	ST
91-BR012OS1-30-002	0180590545	(OS1) SM Pigtail	SC
91-BR012OS1-L0-002	0180590546	(OS1) SM Pigtail	LC

Optical Fiber Solution Lightband™



Modular Splice Cassettes
Page G-3



Splice Trays
Page F-14



Adapter Plates
Page F-9



Modlink Cassettes
Page G-1

Specification Grade Fiber Enclosures

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

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

Order No.	SAP No.	Description
RFR-00201	180370259	24-48 Port Specification Grade Fiber Enclosure - 1U
RFR-00202	180370260	48-96 Port Specification Grade Fiber Enclosure - 2U
RFR-00204	180660016	144-288 Port Specification Grade Fiber Enclosure - 4U
Accessories		
AFR-00222	180600069	Universal Splice Tray Mounting Bracket - 1U
AFR-00324	180690046	Universal Splice Tray Mounting Bracket - 2U



Standard Grade Rack Mount Fiber Enclosure

Standard Grade Fiber Enclosures configurable rack mount units for storing and terminating incoming fiber cable. The Standard Grade Rack Mount enclosures accept up to 8 Pak/Adapter plates.

- Utilized with Fiber Pak/Adapter Plates which allows multiple fiber connector options and configurations - 2U accommodating 8 Fiber Pak/Adapter Plates or Modlink cassettes
- Hinged Plexiglas front door
- Fully removable top/rear panel for easy cable access
- Fully configured to accept either three, six or eight Molex Fiber Pak/Adapter Plates
- Print ready port labeling sheet
- RoHS compliant

Order No.	SAP No.	Description
RFR-00186B	0180370191	48-96 Port 2U Standard Grade Fiber Enclosure



Standard Grade Rack Mount Fiber Enclosure

Standard Grade Fiber Enclosures configurable rack mount units for storing and terminating incoming fiber cable. The Standard Grade Rack Mount enclosures accept up to 8 Pak/Adapter plates.

- High density, economic, 48 fiber enclosure
- Compatible with all common fiber adapters
- Manufactured from high-strength, lightweight material
- Bottom half of panel pivots out for access to splice tray and pigtail routing area
- No additional cable management or splicing accessories required
- All common adapter types: LC, SC and ST are assembled into interchangeable front plates that accommodate 6 simplex or 12 duplex adapters each.
- RoHS compliant



Order No.	SAP No.	Description
RFR-00205	0180660017	Swing-Out Fiber Panel Chassis - 1U
RFR-00206	0180660018	Swing-Out Fiber Panel Front Plate Blank
RFR-00207	0180660019	Swing-Out Fiber Panel 6 Duplex SC Singlemode
RFR-00208	0180660020	Swing-Out Fiber Panel 6 Duplex SC Multimode
RFR-00209	0180660021	Swing-Out Fiber Panel 12 Duplex LC Singlemode
RFR-00210	0180660022	Swing-Out Fiber Panel 12 ST Singlemode
RFR-00211	0180660023	Swing-Out Fiber Panel 12 ST Multimode
RFR-00212	0180660024	Swing-Out Fiber Panel 12 Duplex LC Multimode
KFR-00037	0182680002	Bend Limiting Tube 435mm (pack of 20)
KFR-00038	0182680003	Front Plate Labels (pack of 20)



Patch/Splice Demarcation Cabinet

The Patching/Splicing Demarcation Cabinet provides a central point for interconnecting and/or splicing fiber optic cables. The cabinet features an integral panel that accepts Fiber Pak/Adapter Plates, Modular Splice Cassettes and ModLink cassettes for field configuring the unit for a variety of connector types. For ease of installation, the door is removable. The cable management area includes a keyed lock for security.

- Utilizes 6 and 12 Fiber Pak/Adapter Plates or Modlink cassettes
- Accommodates any combination of up to twelve (12) 6 or 12 fiber Adapter Plates, Modular Splice Cassettes and Modlink Fiber Cassettes
- Keyed lock for security
- RoHS compliant

Order No.	SAP No.	Description
WFR-00023	0180090010	72 Point Demarcation Patch Unit

F



Standard Grade Wall Mount Fiber Enclosure

The Standard Grade Wall Mount enclosures are configurable wall mount units for storing and terminating incoming fiber cables.

- Accommodates up to four (4) 6 or 12 fiber Adapter Plates
- Divided and individually opened input and output demarcation areas
- 2 cable management spools
- Top and bottom cable entry points
- Low profile and lockable
- RoHS compliant

Order No.	SAP No.	Description
WFR-00047B	0180080052	24-48 Port Standard Grade Fiber Wall Mount Enclosure
35.B0130	0180400090	Keyed Lock Kit



MMI-R

The MMI-R is a compact wall mounted unit for storing and protecting optical fiber. The internal storage spool easily holds 1.5 meters of up to 12 fibers with 900 micron buffers. Both units accept up to 6 USO II modules (ordered separately) and can be configured for multimedia using a combination of UTP, ST, and coax adapters, placing all outlets in one centrally located unit. Ideal for fiber-to-the-desk consolidation point for clustered furniture. The MMI-R has a graphite gray powder coated steel cover that overhangs and protects the lower module positions.

- RoHS compliant

Order No.	SAP No.	Description
WFR-00017	0180970021	MMI-R - Metal cover -Graphite Gray

Optical Fiber Solution Lightband™



601 Fiber Series

The 601 Fiber Series wall mount system interface products are compact units for optical fiber. The 601 fiber enclosure has a low profile design and provides the proper internal fiber management to ensure the integrity of the optical network. There is also provision for a user supplied seal for added security.

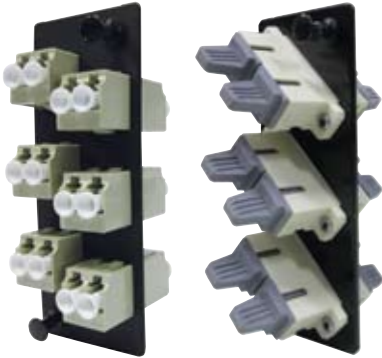
- Compact with lock option
- Multimode and Singlemode configuration
- Top, bottom and rear access
- RoHS compliant

Order No.	SAP No.	Description
WFR-00010-02	0180970009	6 Fiber ST MM Loaded
WFR-00011-02	0180970010	6 Fiber ST SM Loaded
WFR-00028-02	0180970016	8 Fiber Duplex SC MM Loaded
WFR-00029-02	0180970017	8 Fiber Duplex SC SM Loaded
WFR-00030-02	0180970007	6 Fiber accepts Simplex SC or MT-RJ (2 fibers/port) Unloaded
WFR-00034-02	Consult Molex	12 Fiber Duplex LC MM Loaded
WFR-00035-02	Consult Molex	12 Fiber Duplex LC SM Loaded



Optical Fiber Solution Lightband™

Molex makes it easy to field configure many of its fiber 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-Pak Adapter Plates

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

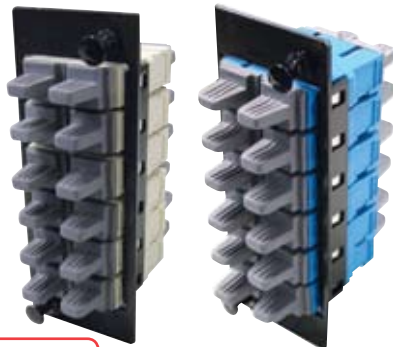
- RoHS Compliant
- Accommodates 6 or 12 fibers
- Available in Singlemode & Multimode versions
- For use within Molex's Fiber Management Systems
- Compatible with the Modular Splice Cassette Housing and Lid AFR-00380

Order No.	SAP No.	Description
AFR-00357	180600135	ST 6 Fiber SM Adapter Plate
AFR-00358	180600136	SC Duplex 6 Fiber SM Adapter Plate - Blue
AFR-00360	180600138	SC Duplex 6 Fiber MM Adapter Plate - Beige
AFR-00363	180600141	6 Fiber Blank Plastic pack of 4
AFR-00364	180600142	ST 6 Fiber Adapter Plate unloaded
AFR-00365	180600143	LC Duplex 12 Fiber SM Adapter Plate - Blue
AFR-00366	180600144	LC Duplex 12 Fiber MM Adapter Plate - Beige
AFR-00367	180600145	SC 6 Fiber Adapter Plate unloaded
AFR-00371	180600149	FC 6 Fiber MM Adapter Plate
AFR-00372	180600150	SC Duplex 6 Fiber MM OM3 Adapter Plate - Aqua
AFR-00376	Consult Molex	LC Duplex 12 Fiber MM OM3 Adapter Plate - Aqua

F



Rack Enclosures
Page F-6



12-Pak Adapter Plates

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

- RoHS Compliant
- Accommodates 12 or 24 fibers
- Available in Singlemode & Multimode versions
- For use within Molex's Fiber Management Systems
- Compatible with the Modular Splice Cassette Housing and Lid AFR-00380

Order No.	SAP No.	Description
AFR-00362	180600140	SC Duplex 12 Fiber MM Adapter Plate - Beige
AFR-00368	180600146	SC Duplex 12 Fiber SM Adapter Plate - Blue
AFR-00374	180600152	SC Duplex 12 Fiber MM OM3 Adapter Plate - Aqua



Rack Enclosures
Page F-6



12-Pak Shuttered Adapter Plates

12-Pak Shuttered Adapter Plates fit directly into most Molex fiber management enclosures and are compatible with the Modular Splice Cassette housing and Lid (AFR-00380). The simple design requires no tooling as the plates install with a simple snap rivet. Shuttered 12-Pak plates feature Molex's unique shuttered technology which protect installers and end users from LED/Laser light emissions.

- RoHS Compliant
- Accommodates 12 fibers
- Available in Singlemode & Multimode versions
- For use within Molex's Fiber Management Systems
- Unique shuttered feature protects from harmful light emissions
- Compatible with the Modular Splice Cassette Housing and Lid AFR-00380

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



Rack Enclosures
Page F-6

Optical Fiber Solution Lightband™



Rack Enclosures
Page F-6

24-Pak Adapter Plates

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

- RoHS Compliant
- Accommodates 24 fibers
- Available in Singlemode & Multimode versions
- For use within Molex's Fiber Management Systems
- Compatible with the Modular Splice Cassette Housing and Lid AFR-00380

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



Optical Fiber Solution Lightband™

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.

LC Connectors - Simplex



Connectors

Order No.	SAP No.	Description	MM/SM	Ferrule	Boot	Color	Action
106024-5500	1060245500	LC Connector	SM	Zirconia	900µm	Blue	Epoxy
106024-3500	1060243500	LC Connector	MM	Zirconia	900µm	Beige	Epoxy

F

LC Connectors and Adapters - Duplex



Connectors

Order No.	SAP No.	Description	MM/SM	Ferrule	Boot	Color	Action
106025-3300	1060253300	LC Duplex Connector	MM	Zirconia	2mm	Beige	Epoxy
106025-5300	1060255300	LC Duplex Connector	SM	Zirconia	2mm	Blue	Epoxy

Adapters

Order No.	SAP No.	Description	MM/SM	Sleeve	Color	Mount
106127-0310	106127-0310	LC Duplex w/Shutter	MM	P Bronze	Beige	Snap/Screw
106127-1300	106127-1300	LC Duplex w/Shutter	SM	Zirconia	Blue	Snap/Screw

LC Quad Adapters

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

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



Order No.	SAP No.	Description
106123-0100	1061230100	LC Quad, Singlemode, Zirconia Alignment, Flange Mount
106123-0200	1061230200	LC Shuttered Quad, Singlemode, Zirconia Alignment, Flange Mount
106123-0300	1061230300	LC Quad, Singlemode, Zirconia Alignment, Snap Mount
106123-0400	1061230400	LC Shuttered Quad, Singlemode, Zirconia Alignment, Snap Mount
106123-1100	1061231100	LC Quad, Multimode, Phosphor Bronze Alignment, Flange Mount
106123-1200	1061231200	LC Shuttered Quad, Multimode, Phosphor Bronze Alignment, Flange Mount
106123-1300	1061231300	LC Quad, Multimode, Phosphor Bronze Alignment, Snap Mount
106123-1400	1061231400	LC Shuttered Quad, Multimode, Phosphor Bronze Alignment, Snap Mount
106123-3100	1061233100	LC Quad, Multimode, Phosphor Bronze Alignment, Flange Mount - Aqua
106123-3200	1061233200	LC Shuttered Quad, Multimode, Phosphor Bronze Alignment, Flange Mount - Aqua
106123-3300	1061233300	LC Quad, Multimode, Phosphor Bronze Alignment, Snap Mount - Aqua
106123-3400	1061233400	LC Shuttered Quad, Multimode, Phosphor Bronze Alignment, Snap Mount - Aqua

Optical Fiber Solution Lightband™

SC Connectors - Simplex



Connectors

Order No.	SAP No.	Description	MM/SM	Ferrule	Boot	Color	Action
106063-5000	1060635000	SC Connector	SM	Zirconia	3mm	Blue	Epoxy
106063-5500	1060635500	SC Connector	SM	Zirconia	900µm	Blue	Epoxy
106063-0060	1060630060	SC Connector	MM	Zirconia	3mm	Beige	
106063-0560	1060630560	SC Connector	MM	Zirconia	900µm	Beige	



SC Adapters - Duplex



Adapters

Order No.	SAP No.	Description	MM/SM	Sleeve	Color	Mount
106166-0100	1061660100	SC/SC Duplex Adapter	SM	Zirconia	Blue	Snap
106166-0500	1061660500	SC/SC Duplex Adapter	SM	Zirconia	Blue	Flange
106167-0010	1061670010	SC/SC Duplex Adapter	MM	P Bronze	Beige	Flange
106167-0000	1061670000	SC/SC Duplex Adapter	SM	P Bronze	Blue	Flange
106167-0110	1061670110	SC/SC Duplex Adapter	MM	P Bronze	Beige	Snap
106167-0100	1061670100	SC/SC Duplex Adapter	SM	P Bronze	Blue	Snap
106167-0510	1061670510	SC/SC Duplex w/Shutter	MM	P Bronze	Beige	Flange
106167-0610	1061670610	SC/SC Duplex w/Shutter	MM	P Bronze	Beige	Snap
AFR-00202	180600130	SC/SC Duplex Adapter	SM	Zirconia	Blue	Flange
AFR-00203	180600128	SC/SC Duplex Adapter	MM	P Bronze	Beige	Flange

ST Connectors and Adapters



Connectors

Order No.	SAP No.	Description	MM	Ferrule	Boot	Color	Action
106012-0500	1060120500	ST Connector Metal	MM	Zirconia	900µm	Black	Epoxy

Adapters

Order No.	SAP No.	Description	MM/SM	Sleeve	Color	Mount
106113-1000	1061131000	ST Adapter Metal	MM	Polymeric	Metal	Double-D
106112-1000	1061121000	ST Adapter Metal	SM	P Bronze	Metal	Double-D
106110-1000	1061101000	ST Adapter Metal	SM	Zirconia	Metal	Double-D
AFR-00200	180600093	ST/ST Duplex Adapter	SM	Zirconia	Blue	Flange
AFR-00201	180600094	ST/ST Duplex Adapter	MM	P Bronze	Beige	Flange

Optical Fiber Solution Lightband™

Xpress Fiber Connector Kits

The Molex Xpress Connectors provide quick, cost effective and reliable field terminations for optical fiber LAN's. These connectors do not require power or special tooling and can be terminated on site with the use of adhesive.

- Typical insertion loss: 0.32dB
- Minimal tooling required
- Typical termination time: 2 minutes
- 12 connectors, adhesive & accelerant in each kit



Order No.	SAP No.	Description	MM/SM	Ferrule	Boot	Color	Action
106000-2000	1060002000	Xpress Termination ST 12/pk	MM	Zirconia	900/3mm	Black	Anaerobic
106000-2200	1060002200	Xpress Termination ST 12/pk	SM	Zirconia	900/3mm	Black	Anaerobic
106000-2100	1060002100	Xpress Termination SC 12/pk	MM	Zirconia	900/3mm	Beige	Anaerobic
106000-2300	1060002300	Xpress Termination SC 12/pk	SM	Zirconia	900/3mm	Blue	Anaerobic
106000-3100	1060003100	Xpress Termination LC 12/pk	MM	Zirconia	900µm	Beige	Anaerobic
106000-4200	1060004200	Xpress Termination LC 12/pk	SM	Zirconia	900µm	Blue	Anaerobic

F

Xpress G2 Pre-Polished Pre-Assembled Connectors

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

- Quick Assembly
- Low Tooling Investment - only strip and cleaving tool required
- Reliable Performance - same environmental endurance as conventional connectors
- Multiple Formats available available in SC and LC form factors
- Available in Singlemode, Multimode, Angled Polish in 900µ and 250µ format



Order No.	SAP No.	Description
AFR-00387	182620013	LC Multimode OM1 250/900µ BF Beige 12 PC Connector Kit
AFR-00388	182620014	LC Multimode OM2 250/900µ BF Black 12 PC Connector Kit
AFR-00389	182620015	LC Multimode OM3 10g 250/900µ BF Aqua 12 PC Connector Kit
AFR-00390	182620016	LC Singlemode OS1 250/900µ BF Blue 12 PC Connector Kit
AFR-00391	182620017	SC Multimode OM1 250/900µ BF Beige 12 PC Connector Kit
AFR-00392	182620018	SC Multimode OM2 250/900µ BF Black 12 PC Connector Kit
AFR-00393	182620019	SC Multimode OM3 10g 250/900µ BF Aqua 12 PC Connector Kit
AFR-00394	182620020	SC Singlemode OS1 250/900µ BF Blue 12 PC Connector Kit
AFR-00395	182620021	SC/APC Singlemode OS1 250/900µ BF APC Green 12 PC Connector Kit

Optical Fiber Solution Lightband™



Universal Splice Tray

The Universal Splice Tray is a configurable enclosure for both mechanical and fusion splices. Each tray includes two fusion splice sleeves and two mechanical splice sleeves. Loose tube cable is routed into and out of the tray through adjustable tube grips located at each corner. The tube grips eliminate the need for separate cable ties and are easily tightened and loosened in order to prevent over-compression of the loose tube cable. Each tray accepts 12 fusion or 10 mechanical splice terminations.

- Accepts mechanical and fusion splices
- Adjustable grips on each corner
- Prevents over-compression of the loose tube cable
- Accommodates up to 12 splices

Order No.	SAP No.	Description
AFR-00001	0180600027	Universal Splice Tray
AFR-00222	180600069	Universal Splice Tray Mounting Bracket - 1U
AFR-00324	180690046	Universal Splice Tray Mounting Bracket - 2U



Optical Fiber Breakout Kits

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

Order No.	SAP No.	Description
91.B0610	0180600022	4 Fibers Per Tube Breakout Kit
91.B0620	0180600023	6 Fibers Per Tube Breakout Kit
91.B0630	0180580057	8 Fibers Per Tube Breakout Kit
91.B0640	0182080065	12 Fibers Per Tube Breakout Kit
91.B0650	182540001	24 Fibers Per Tube Breakout Kit

Pre-Terminated Solutions

ModLink™ Fiber Plug & Play



Specification Grade Fiber Enclosures Page F-6

ModLink is an ideal solution for mission critical applications such as Data Centers 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 fiber backbone, the link can be quickly re-established without the need of technicians.

ModLink Cassette

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

- Self-contained fiber optic patching enclosures convert the MTP/MPO interface to a standard SC, LC, ST and MT-RJ coupler
- Industry-leading low insertion loss (0.75dB insertion loss per cassette for Laser Optimized OM3 Cassettes)
- For use within Molex's Fiber Management Systems - See Page G-6
- Front port identification plus labelling field on cassette top for fiber documentation

62.5/125 (OM1)	SAP No.	50/125 (OM2)	SAP No.	Description
MLCDSC120M1	0181810140	MLCDSC120M2	0181810145	12 Fiber ModLink, Duplex SC
MLCDLC120M1	0181810142	MLCDLC120M2	0181810147	12 Fiber ModLink, Duplex LC
MLCQLC120M1	0180370268	MLCQLC120M2	0180370267	12 Fiber ModLink, Quad LC

50/125 (OM3)	SAP No.	9/125 (OS1)	SAP No.	Description
MLCDSC120M3	0181810150	MLCDSC120S1	0181810135	12 Fiber ModLink, Duplex SC
MLCDLC120M3	0181810152	MLCDLC120S1	0181810137	12 Fiber ModLink, Duplex LC
MLCQLC120M3	0180370266	MLCQLC120S1	0180370269	12 Fiber ModLink, Quad LC

48 Port Quad LC ModLink Panel

The 48 Port Quad LC ModLink Panel is a self contained patching enclosure which converts four MTP/MPO interfaces to twelve standard Quad LC adapters. The LC ModLink panel offers industry leading low insertion loss and features robust slack management enabling up to 5 meters of cable, per individual cable, to be stored.

- Self-contained fiber optic patching enclosures convert the MTP/MPO interface to a standard LC adapter
- Easy snap in removable slack management accessories designed to store up to 5 meters of Molex ModLink cable
- Industry leading low insertion loss (0.75dB)
- RoHS Compliant
- Available in Singlemode & Multimode versions
- Panel mounts flush to rails - no interference



Order No.	SAP No.	Description
RTMLPQLC480M1	0181810154	48 Port Quad LC ModLink Panel, OM1 62.5µm Multimode, 0.90dB
RTMLPQLC480M2	0181810155	48 Port Quad LC ModLink Panel, OM2 50µm Multimode, 0.90dB
RTMLPQLC480M3	0181810156	48 Port Quad LC ModLink Panel, OM3 50µm Multimode, 0.75dB
RTMLPQLC480S1	0181810153	48 Port Quad LC ModLink Panel, OS1 Singlemode, 0.90dB

ModLink Cables

- Plenum rated cables are factory terminated on both ends with multi-fiber MTP® connectors for maximum fiber density
- Round, flexible outer jacket is easy to bend, route and install
- Plenum (OFNP) flame rating allows for routing cables in any indoor environment where local code allows

- Industry-leading low insertion loss (0.5dB) Maximum Insertion Loss for Laser Optimized OM3 Cables
- Cables available in 12 fiber versions
- ModLink Advanced fiber Optic Cables are 100% tested
- Optional pulling eyes installed to protect the assembly during installation
- 4.5mm jacket
- RoHS compliant



62.5/125 (OM1)	SAP No.	50/125 (OM2)	SAP No.	Description
91-X2122-2YYY	Consult Molex	91-X2122-6YYY	Consult Molex	12 Fiber ModLink Cable

50/125 (OM3)	SAP No.	9/125 (OS1)	SAP No.	Description
91-X2122-6EYYY	Consult Molex	91-X2122-4YYY	Consult Molex	12 Fiber ModLink Cable

NOTE : Cables available in 5m increments. Insert required distance in place of YYY in the part number. MTP® is a registered trademark of US Conec.

Pre-Terminated Solutions

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

backbone riser cables.



Pre-Terminated Fiber Optic Leads

- Available in 50/125µm and 62.5/125µm Multimode and 9/125µm Singlemode fiber versions
- Fibers compliant to ISO/IEC 11801 fiber specifications
- Wide variety of connector and cable types offered
- Cable length built to customer requirements
- Premium factory optical performance guaranteed
- All assemblies are 100% factory tested
- Factory test results shipped with every assembly
- RoHS compliant

G

Construction Matrix Model - Substitute the correct code number or letter to determine the assembly construction

The Part Numbering System is as follows for Pre-Terminated Trunk Cable Assemblies. Substitute the correct code number or letter to determine the assembly construction.

91-	XX	FFF	ISO-	CC-	P-	YYY
Family Code	Cable Type	Fiber Count	Fiber Type	Connector Type	Polarity	Length (Meters)
	BP = Tight Buffered OFNP, 12-144 Fiber BR = Tight Buffered OFNR, 12-144 Fiber IP = Loose Tube Indoor/Outdoor OFNP, 12-144 Fiber IR - Loose Tube Indoor/Outdoor OFNR, 12-144 Fiber MR = OFNR Micro Core for MPO MP = OFNP Micro Core for MPO	12-144	OM1 = 62.5µm (200/500) OM2 = 50µm (500/500) OM3 = 50µm (2000/500) OS1 = Singlemode	LC = L SC = 3 ST = 1 MT-RJ (f) = B MT-RJ (m) = A MTP/MPO (f) = M No Conn = 0 Note: 1st Number = Side A 2nd Number - Side B	1 = Default A = MPO Method A B = MPO Method B C = MPO Method C	i.e. 001 = 1 meter

Example: 91-BP0120M3-0L-1-075. = Tight Buffered OFNP Rated, 12 Strand 50/125µm OM3 fiber, Side A no connectors, Side B LC connectors, Default polarity, 75 meters long.

Notes: Metric to English Conversion = 3.28 feet per meter

Please consult factory for design confirmation.

Pre-Terminated Solutions

ModLink™ Fiber

Plug & Play



Modular Splice Cassettes

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

- Fully integrated into Molex's Specification Grade Enclosures
- Maximizes Density - Maximum 24 Fiber Capacity
- Provides Perfect Bend Radius for splices
- Integrated Cable Management - prevents damage

Order No.	SAP No.	Description
AFR-00340	183190000	Modular Splice Cassette 6 Fiber Singlemode OS1 Duplex SC
AFR-00341	183190001	Modular Splice Cassette 6 Fiber Multimode OM1 Duplex SC
AFR-00342	183190002	Modular Splice Cassette 6 Fiber Multimode OM2 Duplex SC
AFR-00343	183190003	Modular Splice Cassette 6 Fiber Multimode OM3 Duplex SC
AFR-00344	183190004	Modular Splice Cassette 12 Fiber Singlemode OS1 Duplex SC
AFR-00345	183190005	Modular Splice Cassette 12 Fiber Multimode OM1 Duplex SC
AFR-00346	183190006	Modular Splice Cassette 12 Fiber Multimode OM2 Duplex SC
AFR-00347	183190007	Modular Splice Cassette 12 Fiber Multimode OM3 Duplex SC
AFR-00348	183190008	Modular Splice Cassette 12 Fiber Singlemode OS1 Duplex LC
AFR-00349	183190009	Modular Splice Cassette 12 Fiber Multimode OM1 Duplex LC
AFR-00350	183190010	Modular Splice Cassette 12 Fiber Multimode OM2 Duplex LC
AFR-00351	183190011	Modular Splice Cassette 12 Fiber Multimode OM3 Duplex LC
AFR-00352	183190012	Modular Splice Cassette 24 Fiber Singlemode OS1 Quad LC
AFR-00353	183190013	Modular Splice Cassette 24 Fiber Multimode OM1 Quad LC
AFR-00354	183190014	Modular Splice Cassette 24 Fiber Multimode OM2 Quad LC
AFR-00355	183190015	Modular Splice Cassette 24 Fiber Multimode OM3 Quad LC
AFR-00382	183190017	Modular Splice Cassette 6 Fiber Singlemode OS1 ST
AFR-00383	183190018	Modular Splice Cassette 6 Fiber Multimode OM1 ST
AFR-00384	183190019	Modular Splice Cassette 6 Fiber Multimode OM2 ST
AFR-00380	183190016	Modular Splice Cassette Housing and Lid
AFR-00337	180690053	12 Fiber Fusion Splice Holder

G



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 centers, storage area networks (SAN's) and server rooms. The ModLink Copper Plug & Play solution when installed in a channel configuration has been tested 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 or 4 6 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 minimizing the need for on-site testing.

- Utilizes the patented Molex iPass™ connector
- 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 either 6 or 12 ports
- 100% factory tested

Order No.	SAP No.	Description
CMP-00001	0183170000	48 Port Copper ModLink Panel, 1U with cassettes loaded
CMP-00002	0183170001	24 Port Copper ModLink Panel, 1U with cassettes loaded
CMP-00005	0183170004	Copper ModLink Panel, 1U unloaded



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 minimizing the need for on-site testing.

- Utilizes the patented Molex iPass connector
- ModLink cassettes slide easily in and out of the panels
- Cassettes are configured with either 6 or 12 ports
- 100% factory tested



Order No.	SAP No.	Description
CMP-00004	0183170003	6 Port Copper ModLink Cassette
CMP-00003	0183170002	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
- Available in CMP and CMR cable types.



Order No.	SAP No.	Description
Consult Molex	Consult Molex	iPass RJ45 Cable Assembly, 6 port

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. Utilizing Molex's patented iPass™ connector, Distribution Cables are used as the interconnection cable between cassettes and are made as iPass to iPass cable assemblies.

- Utilizes the patented Molex iPass connector
- The iPass connector supports 6 X RJ45 ports
- 100% factory tested
- Available in CMR, CMP or LSOH cable sheaths
- Custom cable assembly lengths in increments from 1m - 90m, enabling flexible configuration and cost effective installation

Order No.	SAP No.	Description
ICA-00001-08	0183030000	iPass 24 pair Gigabit UTP Cable Assembly CMP 25m - Gray
ICA-00002-08	0183030001	iPass 24 pair Gigabit UTP Cable Assembly CMR 25m - Gray
ICA-00003-08	0183030002	iPass 24 pair Gigabit UTP Cable Assembly CMP 30m - Gray
ICA-00004-08	0183030003	iPass 24 pair Gigabit UTP Cable Assembly CMR 30m - Gray
ICA-00005-08	0183030004	iPass 24 pair Gigabit UTP Cable Assembly CMP 35m - Gray
ICA-00006-08	0183030005	iPass 24 pair Gigabit UTP Cable Assembly CMR 35m - Gray
ICA-00007-08	0183030006	iPass 24 pair Gigabit UTP Cable Assembly CMP 40m - Gray
ICA-00008-08	0183030007	iPass 24 pair Gigabit UTP Cable Assembly CMR 40m - Gray
ICA-00009-08	0183030008	iPass 24 pair Gigabit UTP Cable Assembly CMP 45m - Gray
ICA-00010-08	0183030009	iPass 24 pair Gigabit UTP Cable Assembly CMR 45m - Gray
ICA-00011-08	0183030010	iPass 24 pair Gigabit UTP Cable Assembly CMP 50m - Gray
ICA-00012-08	0183030011	iPass 24 pair Gigabit UTP Cable Assembly CMR 50m - Gray

NOTE: Contact Molex for custom lengths

Work Area Solutions

Synergy™ Series

Molex's Synergy Wallplate system is an industrially designed family of wallplates providing a sleek, curved, and low profile appearance. The wallplates are available in vertical orientation (114mm x 71mm) and square orientation (86mm x 86mm) making them ideal for use in most offices.



Synergy Wallplates

- Single Gang - 120mm x 70mm x 11mm
- Double Gang - 117.5mm x 120.7mm x 10.9mm
- Low profile for inconspicuous network connecting
- Clear concise labelling
- Rear loading to reduce tampering
- Angled version to ensure proper cable bend radius
- Standard color white
- RoHS compliant
- Accommodates DataGate jacks - Section C
- Accommodates SC, LC, ST and MT-RJ single and dual bezel fiber modules - See Section F
- Accommodates Media Configurable modules - See Page H-5

Order No.	SAP No.	Description
WSY-00001-02	0181770031	6 Port Synergy Wallplate - Unloaded
WSY-00002-02	0182080075	4 Port Synergy Wallplate - Unloaded
WSY-00003-02	0181770080	3 Port Synergy Wallplate - Unloaded
WSY-00004-02	0181770040	4 Port 1U Synergy Wallplate-Unloaded
WSY-00005-02	0181770008	4 Port Angled Synergy Wallplate - Unloaded
WSY-00006-02	0181770010	2 Port Angled Synergy Wallplate - Unloaded
WSY-00015-02	0181770053	12 Port Double Gang Synergy Wallplate - Unloaded
WSY-00016-02	0181770058	10 Port Double Gang Synergy Wallplate - Unloaded
WSY-00017-02	0181770063	8 Port Double Gang Synergy Wallplate - Unloaded
WSY-00018-02	0181770068	2 Port Synergy Wallplate

Other Colors: -01 Almond, -05 Ivory



Synergy Surface Boxes

- Low profile for inconspicuous network connecting
- Available in 1, 2, 4 and 6 port versions
- Rear loading jacks to reduce tampering
- Clear concise labelling
- 3 colors available
- Standard color white
- RoHS compliant
- Accommodates DataGate jacks - See Section C
- Accommodates SC, LC, ST and MT-RJ single position fiber modules - See Section F
- Accommodates Media Configurable modules - See Page H-5



Order No.	SAP No.	Description
SBX-00004-02	181770079	1 Port Modular Surface Box - Unloaded- White
SSY-00002-02	Consult Molex	2 Port Modular Surface Box - Unloaded
SSY-00003-02	0181770022	4 Port Modular Surface Box - Unloaded
SSY-00004-02	0181770027	6 Port Modular Surface Box - Unloaded
Accessories		
KSJ-00005-0*	Consult Molex	Single Position Blank Module (Bag of 25)
CSP-00013	182080026	Clear Label Holder (Bag of 25)
CSP-00025-**	Consult Molex	Snapz Telecom Icon Tree (Bag of 10)
CSP-00026-**	Consult Molex	Snapz Alpha Icon Tree (Bag of 10)

* Color Options - 1 = Almond, 2 = White, 5 = Ivory ** Icon Color Options - 02 = White, RD = Red, BL = Blue



Synergy Modular Furniture Outlets

- Low profile for inconspicuous network connecting
- Available in 3 and 4 Port versions
- Rear loading jacks to reduce tampering
- Clear concise labelling
- 3 colors available
- RoHS compliant
- Accommodates DataGate jacks - See Section C
- Accommodates SC, LC, ST and MT-RJ single position fiber modules - See Section F
- Accommodates Media Configurable modules - See Page H-5

Order No.	SAP No.	Description
SSY-00001-0*	Consult Molex	4 Port /NEMA Cutout Size Minimum - 2.812" x 1.750" Unloaded
SSY-00005-0*	Consult Molex	3 Port /TIA 569A Cutout Size 1.345" -1.405" x 2.630" x 2.850"
SSY-00013-0*	Consult Molex	4 Port/TIA 569A Cutout Size 1.35" x 2.99"
Accessories		
CSP-00013	182080026	Clear Label Holder (Bag of 25)
CSP-00025-**	Consult Molex	Snapz Telecom Icon Tree (Bag of 10)
CSP-00026-**	Consult Molex	Snapz Alpha Icon Tree (Bag of 10)

* Color Options - 1 = Almond, 2 = White, 5 = Ivory ** Icon Color Options - 02 = White, RD = Red, BL = Blue

Work Area Solutions

USO™ II Series

USO II multimedia outlet system is a comprehensive modular system that can be easily re-configured without removing the faceplate bezel. For maximum versatility USO II outlets have a three part design; fascia, bezel and module.



USO II Wallplate & Bezels

- Utilize USO II modules
- Clear concise labelling
- Easily configured/reconfigured from the front
- Accommodates DataGate jacks
- Low profile for inconspicuous network connecting
- RoHS compliant
- Accommodates DataGate jacks - See Section C
- Accommodates SC, LC, ST single and dual position fiber modules - See Section F
- Accommodates Media Configurable modules - See Page H-5

Order No.	SAP No.	Description
WUS-00001-0*	Consult Molex	USO II Single Gang Bezel, Alpha Icons - Unloaded
WUS-00002-0*	Consult Molex	USO II Double Gang Bezel, Alpha Icons - Unloaded
WUS-00003-0*	Consult Molex	USO II Single Gang Bezel, Telecom Icons - Unloaded
WUS-00004-0*	Consult Molex	USO II Double Gang Bezel, Telecom Icons - Unloaded
Accessories		
MUS-00057-**	Consult Molex	USO II Single Port Fascia - Unloaded (bag of 25)
MUS-00058-**	Consult Molex	USO II Double Port Fascia - Unloaded (bag of 25)
MUS-00059-**	Consult Molex	USO II Blank Modules (bag of 20)
CSP-00003	180400029	USO II Clear Label Holders (bag of 20)



DataGate Jacks
Section C



Fiber Modules
Section H-8



Multimedia Modules
Page H-7

* Color Options - 1 = Almond, 2 = White ** Icon Color Options - 01 = Almond, 02 = White, 04 = Black



USO II UNI-FIT Modular Furniture Outlets

The USO II Uni-Fit modular furniture outlet features adjustable latches that accommodate most standard and non-standard modular furniture openings - providing flexibility for hard-to-fit openings. Simply attach the base plate onto the furniture and adjust latches to the opening, slip on the cover, and snap in a USO II module. Each Uni-Fit accommodates up to four voice or data channels (2 modules).

- Low profile for inconspicuous network connecting
- Clear concise labelling
- Easily configured/reconfigured from the front
- Accommodates DataGate jacks - See Section C
- Accommodates SC, LC, ST single and dual bezel fiber modules - See Section F
- Accommodates Media Configurable modules - See Page H-5
- RoHS compliant



DataGate Jacks
Section C



Fiber Modules
Section H-8



Multimedia Modules
Page H-7

Order No.	SAP No.	Description
SUS-00001-**	Consult Molex	USO II Uni-Fit - Unloaded

** Color Options - 01 = Almond, 02 = White, 04 = Black



USO II Surface Boxes

The USO II Surface Boxes are ideal for use where a surface mount is needed in a confined space. Surface Boxes provide the option of either side or base entry of cables and may be mounted using screws or a magnet kit (sold separately). Icons may be used to clearly identify ports alongside the modules.

- Low profile for inconspicuous network connecting
- Clear concise labelling
- Easily configured/reconfigured from the front
- Accommodates DataGate jacks - See Section C
- Accommodates SC, LC, ST single and dual position fiber modules - See Page F
- Accommodates Media Configurable modules - See Page H-5

Order No.	SAP No.	Description
SUS-00002-**	Consult Molex	USO II 1U Surface Box- Unloaded
SUS-00003-**	Consult Molex	USO II 2 1U Surface Box- Unloaded
35-701	180400001	Magnet Kit for SUS-00003-**
35.80120	180400002	Magnet Kit for SUS-00002-**

** Color Options - 01 = Almond, 02 = White, 04 = Black

Work Area Solutions

Streamline™ Wallplates



Streamline Wallplates are designed as a low profile solution for applications where minimum labelling and port designation is required. Available in plastic and stainless steel, Streamline Wallplates are compatible with Molex's copper, fiber, audio and video modules.

Streamline Plastic Wallplates

- Low profile for inconspicuous network connecting
- Clear concise labelling
- Rear loading to reduce tampering
- UL Approved
- RoHS compliant
- Accommodates DataGate jacks - See Section C
- Accommodates SC, LC, ST single position fiber modules - See Section F
- Accommodates Media Configurable modules - See Page H-5

Order No.	SAP No.	Description
WPJ-0007-0*	Consult Molex	1 Port Streamline Plastic Wallplate - Unloaded
WPJ-0008-0*	Consult Molex	2 Port Streamline Plastic Wallplate - Unloaded
WPJ-00010-0*	Consult Molex	4 Port Streamline Plastic Wallplate - Unloaded
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CSP-00022-**	Consult Molex	Data 6-Pack Icons (Bag of 10)
CSP-00023-**	Consult Molex	Voice 6-Pack Icons (Bag of 10)
CSP-00028-0*	Consult Molex	A-F Icon Tree (Bag of 10)

* Color Options - 1 = Almond, 2 = White, 5 = Ivory, ** Icon Color Options - 02 = White, RD = Red, BL = Blue



Streamline Stainless Steel Wallplates

- Low profile for inconspicuous network connecting
- Clear concise labelling
- Rear loading to reduce tampering
- Robust Design
- UL Approved
- RoHS compliant
- Accommodates DataGate jacks - See Section C
- Accommodates SC, LC, ST single position fiber modules - See Section F
- Accommodates Media Configurable modules - See Page H-5

Order No.	SAP No.	Description
WSS-00001	0184000551	1 Port Stainless Steel Streamline Wallplate - Unloaded
WSS-00002	0184000316	2 Port Stainless Steel Streamline Wallplate - Unloaded
WSS-00003	0184000552	3 Port Stainless Steel Streamline Wallplate - Unloaded
WSS-00004	0184000553	4 Port Stainless Steel Streamline Wallplate - Unloaded
WSS-00006	0184000554	6 Port Stainless Steel Streamline Wallplate - Unloaded
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CSP-00022-**	Consult Molex	Data 6-Pack Icons (Bag of 10)
CSP-00023-**	Consult Molex	Voice 6-Pack Icons (Bag of 10)
CSP-00028-0*	Consult Molex	A-F Icon Tree (Bag of 10)

** Icon Color Options - 02 = White, RD = Red, BL = Blue



DataGate Wall Phone Plate

The DataGate Wall Phone Plate accommodates the DataGate jacks and is available in stainless steel. The DataGate jack is available in Category 3, Category 5e, Category 6 and Category 6A and is purchased separately from the DataGate Wall Phone Plate.

- Utilized for wall mounted phone installations
- Low profile for inconspicuous network connecting
- Accommodates rear-loading DataGate jacks for reduced tampering
- Accommodates DataGate Jacks - See Section C

Order No.	SAP No.	Description
WSS-00007	184000555	DataGate Stainless Steel Wall Phone Plate (DataGate Jack purchased separately)

Work Area Solutions

Decora & 106 Style Wallplates



Decora Style Wallplates

Decora Style Wallplates are designed to fit standard decora style electrical cover plates in applications where voice and data ports are used instead of electrical outlets.

Available in two and four port configurations, Decora style wallplates utilize DataGate jacks and single-position fiber and copper modules. Decora style wallplates are UL-approved and are rear-loading to resist tampering. Each wallplate comes supplied with alpha icons which are recessed when installed. Voice and data icons are also available. All icons are available in multiple colors to match DataGate jacks and to assist in application recognition.

- Accommodates DataGate Jacks - See Section C
- Accommodate SC, LC, ST single position fiber modules - See Page H-6
- Fit standard decora style electrical cover plates
- Accommodates media configurable modules - See Page H-5
- Rear loading to reduce tampering
- RoHS compliant

Order No.	SAP No.	Description
WDP-00002-**	Consult Molex	2 Port Decora Style Wallplate
WDP-00004-**	Consult Molex	4 Port Decora Style Wallplate
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CSP-00022-**	Consult Molex	Data 6-Pack Icons (Bag of 10)
CSP-00023-**	Consult Molex	Voice 6-Pack Icons (Bag of 10)
CSP-00028-**	Consult Molex	A-F Icon Tree (Bag of 10)

Color Options: 01 = Almond, 02 = White, 05 = Ivory



106 Style (Grid Plates)

Grid Plates are designed to be used with standard electrical outlet plates in applications where voice and data ports are used in place of electrical outlet. Grid plates utilize DataGate jacks and single-position fiber and copper modules.

- Accommodates DataGate Jacks - See Section C
- Accommodate SC, LC, ST single position fiber modules - See Page H-6
- Accommodates media configurable modules - See Page H-5
- Fits standard electrical cover plates
- Rear loading to reduce tampering
- RoHS Compliant

Order No.	SAP No.	Description
WSY-00007-**	Consult Molex	2 Port Grid Plate
WSY-00008-**	Consult Molex	4 Port Grid Plate

Color Options: 01 = Almond, 02 = White, 05 = Ivory

Work Area Solutions Copper Modules for Synergy™ Series

Molex offers a comprehensive range of copper-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.



Single Synergy Copper Modules

Single Synergy modules are versatile, industrially designed inserts for use across a broad range of Molex product, including wallplates, patch panels and modular furniture outlets. Single Synergy modules are rear loading.

Compatible with:

- Synergy family
- USO II family
- Streamline family
- Modular Furniture Outlets, Boxes & MUTO
- Multimedia Patch Panels
- Standard color white
- RoHS compliant

Order No.	SAP No.	Description
MSY-00002-02	0182060131	F Video - White Module
MSY-00032-02	0182060059	S Video Coupler - White Module
MSY-00033-R2	0182060064	RCA Coupler Red - White Module
MSY-00033-W2	0182060096	RCA Coupler White - White Module
MSY-00033-Y2	0182060101	RCA Coupler Yellow - White Module
MSY-00036-02	0182060081	BNC Coupler - White Module
MSY-00037-R2	0182060227	RCA Field Terminable Red - White Module
MSY-00037-W2	0182060222	RCA Field Terminable White - White Module
MSY-00037-Y2	0182060232	RCA Field Terminable Yellow - White Module
MSY-00038-02	0182060240	S Video Field Terminable - White Module

Other module color: -01 Almond



Double Synergy Copper Modules

Double Synergy modules are versatile, industrially designed inserts for use across a broad range of Molex product, including wallplates, patch panels and modular furniture outlets. Double Synergy modules are rear loading.

Compatible with:

- Select Synergy and Streamline wallplates
- RoHS compliant

Order No.	SAP No.	Description
MSY-00006-02	0182060245	2 A Plus Video - White Module
MSY-00007-02	0182060122	S Plus Video - White Module
MSY-00034-02	0182060071	15 pin HD D-Sub Coupler SVGA - White Module
MSY-00001-02	0182060013	Blank (bag of 25) - White Module
MSY-00035-02	0182060076	15 Pin HD D-Sub Coupler Fascia (Bag of 10) - White Module
MSY-00128-02	Consult Molex	3.5mm Field Terminable - White Module
Accessories		
ADA-00004	0181970218	Cat 5E Coupler
ADA-00005	0182000009	Cat 5E Shielded Coupler

Other module color: -01 Almond

Work Area Solutions Fiber Modules for Synergy™ Series

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

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

Single Synergy Fiber Modules

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

- Synergy family
- Multimode & Singlemode configuration
- Designed to fit into Synergy, Streamline & USO II system of wallplates and surface blocks - See Section H
- Standard color white
- SC adapter available with or without shutter
- RoHS compliant



MSY-00018



MSY-00004



MSY-00025



MSY-00040

Order No.	SAP No.	Description
MSY-00003-*02	0182060019	Synergy Module Single ST, Singlemode - White Module
MSY-00004-02	0182080024	Synergy Module Single ST, Multimode - White Module
MSY-00018-02	0182060029	Synergy Module Single SC, Singlemode - White Module
MSY-00040-02	0182060092	Synergy Module Duplex LC, Multimode - White Module
MSY-00041-02	0182060087	Synergy Module Duplex LC, Singlemode - White Module

** Other module color: -01 Almond

H

Double Synergy Fiber Modules

Double Synergy modules are versatile, industrially designed inserts for use across a broad range of Molex products, including wallplates, patch panels and modular furniture outlets. Double Synergy modules are front loading.

- Multimode & Singlemode configuration
- Designed to fit into Synergy, Streamline 1U wall plates & USO II system of wallplates and surface blocks
- Available in 2 colors
- RoHS compliant

MSY-00026



MSY-00020

Order No.	SAP No.	Description
MSY-00001-**	Consult Molex	Blank Module (bag of 25)
MSY-00020-**	Consult Molex	Synergy Module ST - Multimode
MSY-00021-**	Consult Molex	Synergy Module ST - Singlemode
MSY-00026-**	Consult Molex	Synergy Module Duplex SC - Singlemode with shutter
MSY-00027-**	Consult Molex	Synergy Module Duplex SC - Singlemode no shutter
MSY-00028-**	Consult Molex	Synergy Module Duplex SC - Multimode with shutter

** Color Options - 01 = Almond, 02 = White

Work Area Solutions

Copper Modules for

USO™ II Series



USO II Modules

The USO II multimedia outlet system is a comprehensive group of modular products which can be easily configured and reconfigured without removing the faceplate bezel. For maximum versatility, USO II outlets have a three-part design: bezel, fascia and jacks. USO II bezels fit all standard US 1 and US 2 wall boxes. USO II modules make it easy to customize outlets for any UTP or fiber application. Modules can be purchased either pre-configured or can be built by purchasing either 1U 1 Port or 1U 2 Port fascia and inserting DataGate Jacks.

Compatible with:

- Synergy family
- USO II family
- Uni-Fit Modular Furniture Outlets
- Modular Furniture Outlets, Boxes & MUTO
- USP Panels
- RoHS compliant

Order No.	SAP No.	Description
MUS-00039-**	Consult Molex	BNC
MUS-00040-**	Consult Molex	2 BNC Coupler
MUS-00042-**	Consult Molex	F Video Coupler
MUS-00051-**	Consult Molex	2 Audio
MUS-00055-**	Consult Molex	2 Audio Field Terminable
MUS-00056-**	Consult Molex	S Video Field Terminable
MUS-00060-**	Consult Molex	2 F Video
MUS-00094-**	Consult Molex	15 Pin HD D-Sub Coupler SVGA
MUS-00098-**	Consult Molex	3 RCA Field Terminable
MUS-00099-**	Consult Molex	SVGA D-Sub Field Terminable
MUS-00100-**	Consult Molex	3 RCA Field Terminable
MUS-00181-**	Consult Molex	Component Video Coupler
MUS-00182-**	Consult Molex	3.5mm Field Terminable

** Color Options - 01 = Almond, 02 = White



Order No.	SAP No.	Description
Blank Modules		
MUS-00059-**	Consult Molex	USO II Blank Modules (bag of 20)
Fascias		
MUS-00057-**	Consult Molex	USO II Single Port Fascia - Unloaded (bag of 25)
MUS-00096-**	Consult Molex	1 Port Fascia (Bag of 10)
MUS-00058-**	Consult Molex	USO II Double Port Fascia - Unloaded (bag of 25)
MUS-00097-**	Consult Molex	2 Port Fascia (Bag of 10)
MUS-00095-**	Consult Molex	15 Pin HD D-Sub Coupler Fascia (Bag of 10)
Accessories		
CSP-00025-**	Consult Molex	Snapz Telecom Icon Trees (Bag of 10)
CSP-00026-**	Consult Molex	Snapz Alpha Icon Tree (Bag of 10)

** Color Options - 01 = Almond, 02 = White

Work Area Solutions

Fiber Modules for

USO™ II Series



USO II Modules

The USO II multimedia outlet system is a comprehensive group of modular products which can be easily configured and reconfigured without removing the faceplate bezel. For maximum versatility, USO II outlets have a three-part design; bezel, fascia and jacks. USO II bezels fit all standard US 1 and US 2 wall boxes. USO II Bezels are available as Single- or Double-Gang. The Single-Gang holds up to 3 modules and the Double-Gang holds up to 6 modules.

- Easily configured/reconfigured from the front
- ST, SC, MT-RJ adapters
- RoHS compliant

Order No.	SAP No.	Description
MUS-00059- **	Consult Molex	USO II Blank Modules (bag of 20)
MUS-00038- **	Consult Molex	USO II Module ST - Multimode
MUS-00045- **	Consult Molex	USO II Module SC - Singlemode
MUS-00048- **	Consult Molex	USO II Module SC - Multimode
MUS-00050- **	Consult Molex	USO II Module SC - Singlemode Duplex with shutter
MUS-00052- **	Consult Molex	USO II Module SC - Multimode Duplex with shutter
MUS-00063- **	Consult Molex	USO II Module ST - Singlemode
MUS-00072- **	Consult Molex	USO II Module ST - Multimode 2U

** Color Options - 01 = Almond, 02 = White

H



Multi User Telecommunications (MUTO)

The Multi User Telecommunications Outlet (MUTO) is the ideal solution for high density fiber or UTP applications in the office environment. This sleek product holds up to 12 USO II modules and is easily mounted near file servers, hub products and workstations. For added flexibility, the outlet can be mounted over US1 Single gang boxes or onto power poles. For fiber solutions, the MUTO only accepts angled fiber modules of which up to 6 2U modules can be loaded.

- Easily configured/reconfigured from the front
- Holds up to 12 USO II modules
- Holds up to 6 2U angled fiber modules
- RoHS compliant

Order No.	SAP No.	Description
CPT-00004	0180080020	Multi User Telecommunications Outlet (MUTO)
Accessories		
CSP-00025- **	Consult Molex	Snapz Telecom Icon Tree (Bag of 10)
CSP-00026- **	Consult Molex	Snapz Alpha Icon Tree (Bag of 10)

** Color Options - 01 = Almond, 02 = White

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

- Category 5E
- One sealing surface
- Bayonet style latch receptacle
- Suitable for extreme environments
- Water and dust tight for functional integrity
- RoHS compliant

Order No.	SAP No.	Description
84700-0001	0847000001	Industrial Ethernet Connector RJ45
84700-0002	0847000002	Industrial Ethernet Plug RJ45
84700-0003	0847000003	Industrial Ethernet Dust Cap Assembly
84702-0006	0847020006	Industrial Ethernet Jack 110 Panel Mount
84702-10XX*	Consult Molex	Industrial Ethernet Bayonet Style Double End RJ45
4584702-20XX*	Consult Molex	Industrial Ethernet Bayonet Style Double End RJ45
84702-30XX*	Consult Molex	Industrial Ethernet Bayonet Style Single End RJ45



Industrial Fiber Assemblies

Designed with rugged and compact housings, Molex's optical industrial LC duplex assemblies incorporate the high performance of a fiber optic connection with the versatility of a rugged industrial connector. The bulkhead adapter mounts directly in a panel cut-out, serving as a sealed feed-through. The removable connector provides sealing between both the adapter mating-surface as well as the cable exiting the connector. Molex's optical industrial assemblies are compatible with many fiber types and cable constructions and ideal for both indoor and outdoor applications. This assembly is particularly well-suited for long distances or remote connections up to 300 Kilometers distance, using Multimode fiber and over 1 Kilometer distance using Singlemode fiber.

- Available in Singlemode & Multimode versions
- LC connector designed to Telcordia GR-326-CORE
- Suitable for indoor and outdoor applications
- Suitable for extreme environments
- Water and dust tight for functional integrity
- RoHS compliant

Order No.	SAP No.	Description
106059-0200	1060590200	LC Industrial Adapter, Phosphor Bronze Alignment Sleeve, MM - Black
106059-0210	1060590210	LC Industrial Adapter, Zirconia Alignment Sleeve, SM - Black
106059-6200	1060596200	MTP Industrial Adapter

Wallplate

- 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
- RoHS compliant



Order No.	SAP No.	Description
WSS-00008	0181260001	1 Port, Industrial Solution Wallplate - Unloaded
WSS-00009	0181260002	2 Port, Industrial Solution Wallplate - Unloaded



LC Cable Assemblies

Available in multiple lengths, LC Industrial Cable Assemblies 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, and temperature extremes, reducing the likelihood of product failure

- Available in Singlemode & Multimode versions
- 100% optically tested to ensure quality performance
- Suitable for indoor and outdoor applications
- One Sealing Surface
- Push-pull insertion with bayonet style mechanical latch
- IP 67 and NEMA 6P ratings
- Suitable for extreme environments
- Water and dust tight for functional integrity
- Potted/Sealed version available for extra durability
- RoHS compliant

62.5/125 (OM1)	SAP No.	50/125 (OM2)	SAP No.	Description
91-BP0020M1-HH-***	Consult Molex	91-BPxxx20M2-HH-***	Consult Molex	OFNP, TB, 2 Fiber Patch Cord
91-BR0020M1-HH-***	Consult Molex	91-BRxxx20M2-HH-***	Consult Molex	OFNR, TB, 2 Fiber Patch Cord
91-IC0020M1-HH-***	Consult Molex	91-ICxxx0M2-HH-***	Consult Molex	OFNR, Indoor/Outdoor Fiber Patch Cord

50/125 (OM3)	SAP No.	9/125 (OS1)	SAP No.	Description
91-BPxxx20M3-HH-***	Consult Molex	91-BPxxx20S1-HH-***	Consult Molex	OFNP, TB, 2 Fiber Patch Cord
91-BRxxx20M3-HH-***	Consult Molex	91-BRxxx20S1-HH-***	Consult Molex	OFNR, TB, 2 Fiber Patch Cord
91-ICxxx0M3-HH-***	Consult Molex	91-ICxxx0S1-HH-***	Consult Molex	OFNR, Indoor/Outdoor Fiber Patch Cord

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

MTP Cable Assemblies

Available in multiple lengths, MTP Industrial Cable Assemblies 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, and temperature extremes, reducing the likelihood of product failure.

- Available in Singlemode & Multimode versions
- 100% optically tested to ensure quality performance
- 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
- RoHS compliant

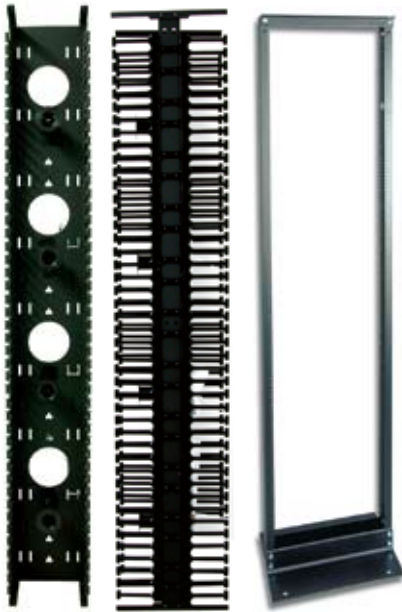
62.5/125 (OM1)	SAP No.	50/125 (OM2)	SAP No.	Description
91-IR0120M1-TT-***	Consult Molex	91-IRxxx0M2-TT-***	Consult Molex	OFNR LT, 12 Fiber Patch Assembly
91-IP0120M1-TT-***	Consult Molex	91-IPxxx0M2-TT-***	Consult Molex	OFNP, LT, 12 Fiber Patch Assembly

50/125 (OM3)	SAP No.	9/125 (OS1)	SAP No.	Description
91-IRxxx0M3-TT-***	Consult Molex	91-IRxxx0S1-TT-***	Consult Molex	OFNR LT, 12 Fiber Patch Assembly
91-IPxxx0M3-TT-***	Consult Molex	91-IPxxx0S1-TT-***	Consult Molex	OFNP, LT, 12 Fiber Patch Assembly

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

Cable Management Solutions

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



Vertical Rack Manager (VRM)

Used in conjunction with the Molex 42U, 19 inch Open Bay Rack, or equivalent, the VRM provides a robust and efficient way of managing cables and patch cords. It's ergonomic design ensures the necessary support for bundled patch cords, moving them from panels to the frame, maintaining bend radii at all times. Cable routing is flexible, and rapid re-routing can be achieved via the Quick Fit cable spools. Quick snap finger 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
- Maximizes building Infrastructure
- Excels in space utilization, by increasing density and freeing up valuable floor space
- Strong & flexible poly carbonate finger guides
- Robust but light-weight construction holds cables perfectly aligned against each individual patch panel maintaining critical bend radii
- Snap grooved finger guides allow easy modification to 2/3 U configuration. With replacements finger guides ensures ongoing flexibility for future fit-out requirements
- Cable retainers click on to the end of finger guides, ideal for holding cables horizontally in place while undertaking maintenance
- A quick lock door allows for fast easy access by allowing instantaneous left or right door opening with flush mounted handles
- Quick fit spool which allows easy single handed fit and removal of spools saving time and effort
- The design allows flexibility in fit out with additional spools and door kits available



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-00096	0181050017	8" Vertical Cable Retainer - 5 Pack
RAA-00002	180310026	Open Bay Rack



2U Horizontal Cable Manager



Cable Retainer



Spools

Cable Management Solutions



PDS Accessories

Provides complete horizontal and vertical cable management in one unique product. Molex Premise Networks exclusive rings speed horizontal cable routing. The integral cable retention feature forms a vertical wiring trough between 2 rows of blocks. If a higher density system is needed, the ring footprint permits interchange with 100-pair bases.

- RoHS compliant

Order No.	SAP No.	Description
KPD-00053	0181980039	1U PDS Horizontal Cable Manager
36.B0024	0180410002	2U PDS Horizontal Cable Manager



1 Position Cable Management Panel



1 Position Ring Run



2 Position Recessed Double Density Ring Run



2U Horizontal Cable Manager with Hinged Cover

Horizontal Cable Management Panels

- Available in various ring sizes for different cable densities
- Standard 19" rack mount 1U and 2U panels
- Styling complements Molex Patch Panel Range
- RoHS compliant

- Robust construction to handle harsh treatment
- Flexible rings for convenient operation
- Rounded edges to prevent damage to patch cords

Order No.	SAP No.	Description
CMA-00085	0181050006	1U Horizontal Cable Manager with Hinged Cover
25.B016G	0180320002	1U Ring Run Panel
25.B035G	0180320007	1U Deep Ring Run Panel
25.C001G	0180330001	1U Cable Management Panel
CMA-00087	0181050008	2U Horizontal Cable Manager with Hinged Cover
25.B013G	0180320001	2U Ring Run Panel
25.B044G	0180320022	2U Ring Run with Cover

Horizontal Cable Management Blank Panels

Blank Panels are the finishing touch to a job well done. They are used on 19" racks to fill in the empty spaces left between equipment or to reserve space for future expansion. They are constructed of heavy duty steel with an attractive graphite gray powder coat finish.



Order No.	SAP No.	Description
25.B018G	0180310010	1U Blank Panel
25.B019G	0180310011	2U Blank Panel
25.B020G	0180310021	4U Blank Panel

Cable Management Solutions

1U Side Ring



2U Side Ring



Cable Management Rings

Cable Management Rings are designed to speed cable dressing during an installation or change and to provide an organized format for system maintenance. Ideal for use with the Molex Open Bay Rack.

- Provides vertical cable management on a rack or wall
- Plastic Rings: Black polycarbonate
- RoHS compliant

Order No.	SAP No.	Description
25.B0284	0180310014	1U Side Ring
25.B0424	0180310017	2U Side Ring



Cable Management Straps

Cable Management Straps are used for securing vertical cables at the end of rack groupings. Constructed of Velcro, the straps are mounted to the rack utilizing the existing hardware.

Order No.	SAP No.	Description
35.B0270	0180400038	8" Cable Management Straps (bag of 25)



Equipment Shelves

The Double Sided Solid Equipment Shelf supports up to 135kg (300lbs). It adjusts for wall or 19" rack mounting. When rack-mounted, the shelf aligns flush with the front of the rack and occupies one rack position (plus height of equipment supported). The side supports offer extra equipment security. Ideal for supporting a computer monitor. The Single Sided Solid Equipment Shelf supports up to 45kg (100lbs). It is 19" rack mountable so that half the unit protrudes from the front of the rack while the other half protrudes from the back of the rack. The shelf occupies two rack positions (plus the height of equipment supported). Ideal for use as a "desk" within the rack.

- 19" rack or wall mount flexibility
- Flush or Center Mounting
- Ideal partners for computer equipment
- RoHS compliant

Order No.	SAP No.	Description
RAA-00209	0180310162	Double Sided Solid Equipment Shelf
RAA-00208	0180310161	Single Sided Solid Equipment Shelf

Tools and Testers

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



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



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



Spring-Loaded Polishing Puck



Universal Cleave Tool



Cleave Tool



Crimp Tool

Order No.	SAP No.	Description
KPD-00056	0181980041	Standard Punchdown Tool
KPD-00087	0181980070	Category 6 110 Style Multi Pair Termination Tool with head & handle
KPD-00086	0181980069	Category 6 110 Style Multi Pair Termination Tool Replacement Head
31-001	0180380001	Deluxe IDC Punch Down Tool
31-001-1	0180380002	Replacement Blade for Deluxe IDC Punch Down Tool
CSP-00018-04	0180400053	Punch Down Puck Kit- Black
86024-1000	0860241000	LC Polishing Puck
86710-1000	0867101000	Xpress Termination ST Polishing Kit
86710-5200	0867105200	ST Crimp Tool
86753-2000	0867532000	Cleave Tool for ST, SC Connectors
86760-5000	0867605000	SC Crimp Tool
86763-1000	0867631000	SC Polishing Tool
86773-2000	0867732000	LC Cleave Tool
AFR-00322	0180600095	Fiber Optic Cleaver

K

SLT3™ Single Line Tester

The SLT3 Tester is a rugged, lightweight product designed to verify the integrity of 1, 2, 3, and 4 pair UTP channels. Incorporating a unique 3-in-1 design, this tester features built-in modular jacks for USOC, EIA 568A and 568B wiring sequences.

- 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 Shielded channels
- Continuously-sequencing LED display provides a diagnostic read-out that immediately detects shorts, opens, reversals and mis-wires at a glance
- Available in UTP and Shielded versions
- RoHS compliant

Simply connect the master and slave unit to each end of the cable under test, and the SLT3 automatically verifies correct cable sequence, as well as open and short circuits.



Order No.	SAP No.	Description
33-100	0180390001	SLT3 UTP Single Line Tester
33-100-P	0180390003	SLT3 UTP Carry Case
33A-100-10	0180390011	SLT3S Shielded Tester (Master and Slave Units) with 9 Volt battery

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, fiber breaks and other sources of optical attenuation in fiber 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

Order No. Reference

Part No.	SAP No.	Product Description	Page	Part No.	SAP No.	Product Description	Page
AFO B P 024 OM1	180580157	Building Distribution Cable, Plenum-OFNP, OM1, 24 Fiber, Indoor	H-1	35.B0270	180400038	8" Cable Management Straps (bag of 25)	J-3
AFO B P 024 OM3	180580081	Building Distribution Cable, Plenum-OFNP, OM3, 24 Fiber, Indoor	H-1	35-701	180400001	Magnet Kit for SUS-00003-**	H-2
AFO B R 006 OM1	180580144	Building Distribution Cable, Non-Plenum-OFNR, OM1, 6 Fiber, Indoor	H-1	36.B0024	180410002	2U PDS Horizontal Cable Manager	J-2
KPC-00175	180420095	110 Style Patch Cord, 4 pair to RJ45, C6 5m- Gray (bag of 1)	D-2	4584702-20XX*	Consult Molex	Industrial Ethernet Bayonet Style Double End RJ45	I-1
106000-2000	1060002000	Xpress Termination ST 12/pk, MM, Zirconia, Anaerobic action - Black	F-13	84700-0001	847000001	Industrial Ethernet Connector RJ45	I-1
106000-2100	1060002100	Xpress Termination SC 12/pk, MM, Zirconia, Anaerobic action - Beige	F-13	84700-0002	847000002	Industrial Ethernet Plug RJ45	I-1
106000-2200	1060002200	Xpress Termination ST 12/pk, SM, Zirconia, Anaerobic action - Black	F-13	84700-0003	847000003	Industrial Ethernet Dust Cap Assembly	I-1
106000-2300	1060002300	Xpress Termination SC 12/pk, SM, Zirconia, Anaerobic action - Blue	F-13	84702-0006	847020006	Industrial Ethernet Jack 110 Panel Mount	I-1
106000-3100	1060003100	Xpress Termination LC 12/pk, MM, Zirconia, Anaerobic action - Beige	F-13	84702-10XX*	Consult Molex	Industrial Ethernet Bayonet Style Double End RJ45	I-1
106000-4200	1060004200	Xpress Termination LC 12/pk, SM, Zirconia, Anaerobic action - Blue	F-13	84702-30XX*	Consult Molex	Industrial Ethernet Bayonet Style Single End RJ45	I-1
106012-0500	1060120500	ST Connector Metal, MM, Zirconia, 900µm, Epoxy action - Black	F-12	86024-1000	860241000	LC Polishing Puck	K-1
106024-3500	1060243500	LC Simplex Connector, MM, Zirconia, 900µm, Epoxy action - Beige	F-11	86710-1000	867101000	Xpress Termination ST Polishing Kit	K-1
106024-5500	1060245500	LC Simplex Connector, SM, Zirconia, 900µm, Epoxy action - Blue	F-11	86710-5200	867105200	ST Crimp Tool	K-1
106025-3300	1060253300	LC Duplex Connector, MM, Zirconia, 2mm, Epoxy action - Beige	F-11	86753-2000	867532000	Cleave Tool for ST, SC Connectors	K-1
106025-5300	1060255300	LC Duplex Connector, SM, Zirconia, 2mm, Epoxy action - Blue	F-11	86760-5000	867605000	SC Crimp Tool	K-1
106059-0200	1060590200	LC Industrial Adapter, P Bronze Alignment Sleeve, MM - Black	I-1	86763-1000	867631000	SC Polishing Tool	K-1
106059-0210	1060590210	LC Industrial Adapter, Zirconia Alignment Sleeve, SM - Black	I-1	86773-2000	867732000	LC Cleave Tool	K-1
106059-6200	1060596200	MTP Industrial Adapter	I-1	91.10.531.00100	180590547	Single Fiber Pigtailed, ST, 1 M, 50µm (OM2) MM Pigtail	F-5
106063-0060	1060630060	SC Simplex Connector, MM, Zirconia, 3mm - Beige	F-12	91.10.631.00100	180590363	Single Fiber Pigtailed, ST, 1 M, 62.5µm (OM1) MM Pigtail	F-5
106063-0560	1060630560	SC Simplex Connector, MM, Zirconia, 900µm - Beige	F-12	91.10.831.00100	180590446	Single Fiber Pigtailed, ST, 1 M, (OS1) SM Pigtail	F-5
106063-5000	1060635000	SC Simplex Connector, SM, Zirconia, 3mm, Epoxy action - Blue	F-12	91.11.671.00100	Consult Molex	Optical Fiber Patch Cord, OM1, ST-ST, 2mm Cordage, 1 M	F-2
106063-5500	1060635500	SC Simplex Connector, SM, Zirconia, 900µm, Epoxy action - Blue	F-12	91.11.871.00100	Consult Molex	Optical Fiber Patch Cord, OM1, ST-ST, 2mm Cordage, 1 M	F-4
106110-1000	1061101000	ST Adapter Metal, SM, Zirconia, Double-D Mount - Metal	F-12	91.19.571.00100	Consult Molex	Optical Fiber Patch Cord, OM2, ST-ST, 2mm Cordage, 1 M	F-3
106112-1000	1061121000	ST Adapter Metal, SM, P Bronze, Double-D Mount - Metal	F-12	91.19.671.00100	Consult Molex	Optical Fiber Patch Cord, OM1, ST-SC, 2mm Cordage, 1 M	F-3
106113-1000	1061131000	ST Adapter Metal, MM, Polymeric, Double-D Mount - Metal	F-12	91.19.871.00100	Consult Molex	Optical Fiber Patch Cord, OM1, ST-SC, 2mm Cordage, 1 M	F-4
106123-0100	1061230100	LC Quad, SM, Zirconia Alignment, Flange Mount	F-11	91.30.331.00100	180590548	Single Fiber Pigtailed, SC, 1 M, 50µm (OM3) MM Pigtail	F-5
106123-0200	1061230200	LC Shuttered Quad, SM, Zirconia Alignment, Flange Mount	F-11	91.30.531.00100	180590549	Single Fiber Pigtailed, SC, 1 M, 50µm (OM2) MM Pigtail	F-5
106123-0300	1061230300	LC Quad, SM, Zirconia Alignment, Snap Mount	F-11	91.30.631.00100	180590340	Single Fiber Pigtailed, SC, 1 M, 62.5µm (OM1) MM Pigtail	F-5
106123-0400	1061230400	LC Shuttered Quad, SM, Zirconia Alignment, Snap Mount	F-11	91.30.831.00100	180590550	Single Fiber Pigtailed, SC, 1 M, (OS1) SM Pigtail	F-5
106123-1100	1061231100	LC Quad, MM, Phosphor Bronze Alignment, Flange Mount	F-11	91.99.371.00100	Consult Molex	Optical Fiber Patch Cord, OM1, SC-SC, 2mm Cordage, 1 M	F-3
106123-1200	1061231200	LC Shuttered Quad, MM, Phosphor Bronze Alignment, Flange Mount	F-11	91.99.571.00100	Consult Molex	Optical Fiber Patch Cord, OM2, SC-SC, 2mm Cordage, 1 M	F-3
106123-1300	1061231300	LC Quad, MM, Phosphor Bronze Alignment, Snap Mount	F-11	91.99.671.00100	Consult Molex	Optical Fiber Patch Cord, OM1, SC-SC, 2mm Cordage, 1 M	F-3
106123-1400	1061231400	LC Shuttered Quad, MM, Phosphor Bronze Alignment, Snap Mount	F-11	91.99.871.00100	Consult Molex	Optical Fiber Patch Cord, OM1, SC-SC, 2mm Cordage, 1 M	F-4
106123-3100	1061233100	LC Quad, MM, Phosphor Bronze Alignment, Flange Mount - Aqua	F-11	91.98.571.00100	Consult Molex	Optical Fiber Patch Cord, OM2, SC-MT-RJ (F), Cordage, 1 M	F-3
106123-3200	1061233200	LC Shuttered Quad, MM, P Bronze Alignment, Flange Mount - Aqua	F-11	91.98.671.00100	Consult Molex	Optical Fiber Patch Cord, OM1, SC-MT-RJ (F), Cordage, 1 M	F-3
106123-3300	1061233300	LC Quad, MM, P Bronze Alignment, Snap Mount - Aqua	F-11	91.9L.371.00100	Consult Molex	Optical Fiber Patch Cord, OM1, SC-LC, 2mm Cordage, 1 M	F-3
106123-3400	1061233400	LC Shuttered Quad, MM, P Bronze Alignment, Snap Mount - Aqua	F-11	91.9L.571.00100	Consult Molex	Optical Fiber Patch Cord, OM2, SC-LC, 2mm Cordage, 1 M	F-3
106127-0310	106127-0310	LC Duplex Adapter with shutter, MM, P Bronze, Snap/screw mount	F-11	91.9L.671.00100	Consult Molex	Optical Fiber Patch Cord, OM1, SC-LC, 2mm Cordage, 1 M	F-3
106127-1300	106127-1300	LC Duplex Adapter with shutter, SM, Zirconia, Snap/screw mount	F-11	91.9L.871.00100	Consult Molex	Optical Fiber Patch Cord, OM1, SC-LC, 2mm Cordage, 1 M	F-4
18306XXX	Consult Molex	Please contact your Molex representative	B-1	91.B0610	180600022	4 Fibers Per Tube Breakout Kit	F-14
25.B013G	180320001	2U Ring Run Panel	J-2	91.B0620	180600023	6 Fibers Per Tube Breakout Kit	F-14
25.B016G	180320002	1U Ring Run Panel	J-2	91.B0630	180580057	8 Fibers Per Tube Breakout Kit	F-14
25.B018G	180310010	1U Blank Panel	J-2	91.B0640	182080065	12 Fibers Per Tube Breakout Kit	F-14
25.B019G	180310011	2U Blank Panel	J-2	91.B0650	182540001	24 Fibers Per Tube Breakout Kit	F-14
25.B020G	180310021	4U Blank Panel	J-2	91.BB.571.00100	Consult Molex	Optical Fiber Patch Cord, OM2, MT-RJ (F)-MT-RJ (F), Cordage, 1 M	F-3
25.B0284	180310014	1U Side Ring	J-3	91.BB.671.00100	Consult Molex	Optical Fiber Patch Cord, OM1, MT-RJ (F)-MT-RJ (F), Cordage, 1 M	F-3
25.B035G	180320007	1U Deep Ring Run Panel	J-2	91.L0.331.00100	180590552	Single Fiber Pigtailed, LC, 1 M, 50µm (OM3) MM Pigtail	F-5
25.B0424	180310017	2U Side Ring	J-3	91.L0.531.00100	180590341	Single Fiber Pigtailed, LC, 1 M, 50µm (OM2) MM Pigtail	F-5
25.B044G	180320022	2U Ring Run with Cover	J-2	91.L0.631.00100	180590553	Single Fiber Pigtailed, LC, 1 M, 62.5µm (OM1) MM Pigtail	F-5
25.C001G	180330001	1U Cable Management Panel	J-2	91.L0.831.00100	180590554	Single Fiber Pigtailed, LC, 1 M, (OS1) SM Pigtail	F-5
27.1F.241.B004G	180350003	1U 24 Port T1 Patch Panel - Category 3	C-11	91.LL.371.00100	Consult Molex	Optical Fiber Patch Cord, OM1, LC-LC, 2mm Cordage, 1 M	F-3
27.6E.241.B004G	180810002	24 Port 1U 4-50 position F 8W 568B Patch Panel	C-11	91.LL.571.00100	Consult Molex	Optical Fiber Patch Cord, OM2, LC-LC, 2mm Cordage, 1 M	F-3
27.6E.249.B002G	181090005	24 Port 1U 3-50 position F 6W USOC Patch Panel	C-11	91.LL.671.00100	Consult Molex	Optical Fiber Patch Cord, OM1, LC-LC, 2mm Cordage, 1 M	F-3
27.6E.259.B001G	181100001	25 Port 1U 1-50 position F 2W USOC Patch Panel	C-11	91.LL.871.00100	Consult Molex	Optical Fiber Patch Cord, OM1, LC-LC, 2mm Cordage, 1 M	F-4
31-001	180380001	Deluxe IDC Punch Down Tool	K-1	91.PP.3A2.00100	Consult Molex	MIIM OFPC LC-LC DUP MM OM3 3mm - 1m	A-2
31-001-1	180380002	Replacement Blade for Deluxe IDC Punch Down Tool	K-1	91.PP.3A2.00200	Consult Molex	MIIM OFPC LC-LC DUP MM OM3 3mm - 2m	A-2
33-100	180390001	SLT3 UTP Single Line Tester	K-1	91.PP.3A2.00300	Consult Molex	MIIM OFPC LC-LC DUP MM OM3 3mm - 3m	A-2
33-100-P	180390003	SLT3 UTP Carry Case	K-1	91.PP.3A2.00500	Consult Molex	MIIM OFPC LC-LC DUP MM OM3 3mm - 5m	A-2
33A-100-10	180390011	SLT3S Shielded Tester (Master and Slave Units) with 9 Volt battery	K-1	91.PP.3A2.01000	Consult Molex	MIIM OFPC LC-LC DUP MM OM3 3mm - 10m	A-2
35.B0120	180400002	Magnet Kit for SUS-00002-**	H-2	91.PP.5A2.00100	Consult Molex	MIIM OFPC LC-LC DUP MM OM2 3mm - 1m	A-2
35.B0130	180400090	Keyed Lock Kit	F-7	91.PP.5A2.00200	Consult Molex	MIIM OFPC LC-LC DUP MM OM2 3mm - 2m	A-2

Order No. Reference

Part No.	SAP No.	Product Description	Page	Part No.	SAP No.	Product Description	Page
91.PP.5A2.00300	Consult Molex	MIIM OFPC LC-LC DUP MM OM2 3mm - 3m	A-2	91-XXXXXX-CC-P-YYY	Consult Molex	Pre-Terminated Fiber Optic Leads	G-2
91.PP.5A2.00500	Consult Molex	MIIM OFPC LC-LC DUP MM OM2 3mm - 5m	A-2	ADA-00004	181970218	Cat 5E Coupler	H-5
91.PP.5A2.01000	Consult Molex	MIIM OFPC LC-LC DUP MM OM2 3mm - 10m	A-2	ADA-00005	182000009	Cat 5E Shielded Coupler	H-5
91.PP.6A2.00100	Consult Molex	MIIM OFPC LC-LC DUP MM OM1 3mm - 1m	A-2	AFO B P 006 OM1	180580154	Building Distribution Cable, Plenum-OFNP, OM1, 6 Fiber, Indoor	F-1
91.PP.6A2.00200	Consult Molex	MIIM OFPC LC-LC DUP MM OM1 3mm - 2m	A-2	AFO B P 006 OM2	180580098	Building Distribution Cable, Plenum-OFNP, OM2, 6 Fiber, Indoor	F-1
91.PP.6A2.00300	Consult Molex	MIIM OFPC LC-LC DUP MM OM1 3mm - 3m	A-2	AFO B P 006 OM3	180580078	Building Distribution Cable, Plenum-OFNP, OM3, 6 Fiber, Indoor	F-1
91.PP.6A2.00500	Consult Molex	MIIM OFPC LC-LC DUP MM OM1 3mm - 5m	A-2	AFO B P 006 OS1	180580118	Building Distribution Cable, Plenum-OFNP, OS1, 6 Fiber, Indoor	F-1
91.PP.6A2.01000	Consult Molex	MIIM OFPC LC-LC DUP MM OM1 3mm - 10m	A-2	AFO B P 012 OM1	180580156	Building Distribution Cable, Plenum-OFNP, OM1, 12 Fiber, Indoor	F-1
91.PP.8A2.00100	Consult Molex	MIIM OFPC LC-LC DUP MM OS1 3mm - 1m	A-2	AFO B P 012 OM2	180580100	Building Distribution Cable, Plenum-OFNP, OM2, 12 Fiber, Indoor	F-1
91.PP.8A2.00200	Consult Molex	MIIM OFPC LC-LC DUP MM OS1 3mm - 2m	A-2	AFO B P 012 OM3	180580080	Building Distribution Cable, Plenum-OFNP, OM3, 12 Fiber, Indoor	F-1
91.PP.8A2.00300	Consult Molex	MIIM OFPC LC-LC DUP MM OS1 3mm - 3m	A-2	AFO B P 012 OS1	180580120	Building Distribution Cable, Plenum-OFNP, OS1, 12 Fiber, Indoor	F-1
91.PP.8A2.00500	Consult Molex	MIIM OFPC LC-LC DUP MM OS1 3mm - 5m	A-2	AFO B P 024 OM2	180580101	Building Distribution Cable, Plenum-OFNP, OM2, 24 Fiber, Indoor	F-1
91.PP.8A2.01000	Consult Molex	MIIM OFPC LC-LC DUP MM OS1 3mm - 10m	A-2	AFO B P 024 OS1	180580121	Building Distribution Cable, Plenum-OFNP, OS1, 24 Fiber, Indoor	F-1
91-BP0020M1-HH-***	Consult Molex	2 Fiber Patch Cord, OFNP, TB, OM1	I-2	AFO B P 048 OM1	180580159	Building Distribution Cable, Plenum-OFNP, OM1, 48 Fiber, Indoor	F-1
91-BP0020M2-HH-***	Consult Molex	2 Fiber Patch Cord, OFNP, TB, OM2	I-2	AFO B P 048 OM2	180580103	Building Distribution Cable, Plenum-OFNP, OM2, 48 Fiber, Indoor	F-1
91-BP0020M3-HH-***	Consult Molex	2 Fiber Patch Cord, OFNP, TB, OM3	I-2	AFO B P 048 OM3	180580083	Building Distribution Cable, Plenum-OFNP, OM3, 48 Fiber, Indoor	F-1
91-BP0020S1-HH-***	Consult Molex	2 Fiber Patch Cord, OFNP, TB, OS1	I-2	AFO B P 048 OS1	180580123	Building Distribution Cable, Plenum-OFNP, OS1, 48 Fiber, Indoor	F-1
91-BR0020M1-HH-***	Consult Molex	2 Fiber Patch Cord, OFNR, TB, OM1	I-2	AFO B P 072 OM1	180580161	Building Distribution Cable, Plenum-OFNP, OM1, 72 Fiber, Indoor	F-1
91-BR0060M1-10-002	180590523	Six Fiber Pigtailed, ST, 2 M, 62.5µm (OM1) MM Pigtail	F-5	AFO B P 072 OM2	180580105	Building Distribution Cable, Plenum-OFNP, OM2, 72 Fiber, Indoor	F-1
91-BR0060M1-30-002	180590524	Six Fiber Pigtailed, SC, 2 M, 62.5µm (OM1) MM Pigtail	F-5	AFO B P 072 OM3	180580085	Building Distribution Cable, Plenum-OFNP, OM3, 72 Fiber, Indoor	F-1
91-BR0060M1-LO-002	180590525	Six Fiber Pigtailed, LC, 2 M, 62.5µm (OM1) MM Pigtail	F-5	AFO B P 072 OS1	180580125	Building Distribution Cable, Plenum-OFNP, OS1, 72 Fiber, Indoor	F-1
91-BR0060M2-10-002	180590526	Six Fiber Pigtailed, ST, 2 M, 50µm (OM2) MM Pigtail	F-5	AFO B P 144 OM1	180580163	Building Distribution Cable, Plenum-OFNP, OM1, 144 Fiber, Indoor	F-1
91-BR0060M2-30-002	180590527	Six Fiber Pigtailed, SC, 2 M, 50µm (OM2) MM Pigtail	F-5	AFO B P 144 OM2	180580107	Building Distribution Cable, Plenum-OFNP, OM2, 144 Fiber, Indoor	F-1
91-BR0060M2-LO-002	180590528	Six Fiber Pigtailed, LC, 2 M, 50µm (OM2) MM Pigtail	F-5	AFO B P 144 OM3	180580087	Building Distribution Cable, Plenum-OFNP, OM3, 144 Fiber, Indoor	F-1
91-BR0060M3-10-002	180590529	Six Fiber Pigtailed, ST, 2 M, 50µm (OM3) MM Pigtail	F-5	AFO B P 144 OS1	180580127	Building Distribution Cable, Plenum-OFNP, OS1, 144 Fiber, Indoor	F-1
91-BR0060M3-30-002	180590530	Six Fiber Pigtailed, SC, 2 M, 50µm (OM3) MM Pigtail	F-5	AFO B R 006 OM2	180580088	Building Distribution Cable, Non-Plenum-OFNR, OM2, 6 Fiber, Indoor	F-1
91-BR0060M3-LO-002	180590531	Six Fiber Pigtailed, LC, 2 M, 50µm (OM3) MM Pigtail	F-5	AFO B R 006 OM3	180580068	Building Distribution Cable, Non-Plenum-OFNR, OM3, 6 Fiber, Indoor	F-1
91-BR0060S1-10-002	180590532	Six Fiber Pigtailed, ST, 2 M, (OS1) SM Pigtail	F-5	AFO B R 006 OS1	180580108	Building Distribution Cable, Non-Plenum-OFNR, OS1, 6 Fiber, Indoor	F-1
91-BR0060S1-30-002	180590533	Six Fiber Pigtailed, SC, 2 M, (OS1) SM Pigtail	F-5	AFO B R 012 OM1	180580146	Building Distribution Cable, Non-Plenum-OFNR, OM1, 12 Fiber, Indoor	F-1
91-BR0060S1-LO-002	180590534	Six Fiber Pigtailed, LC, 2 M, (OS1) SM Pigtail	F-5	AFO B R 012 OM2	180580090	Building Distribution Cable, Non-Plenum-OFNR, OM2, 12 Fiber, Indoor	F-1
91-BR0120M1-10-002	180590535	12 Fiber Pigtailed, ST, 2 M, 62.5µm (OM1) MM Pigtail	F-5	AFO B R 012 OM3	180580070	Building Distribution Cable, Non-Plenum-OFNR, OM3, 12 Fiber, Indoor	F-1
91-BR0120M1-30-002	180590536	12 Fiber Pigtailed, SC, 2 M, 62.5µm (OM1) MM Pigtail	F-5	AFO B R 012 OS1	180580110	Building Distribution Cable, Non-Plenum-OFNR, OS1, 12 Fiber, Indoor	F-1
91-BR0120M1-LO-002	180590537	12 Fiber Pigtailed, LC, 2 M, 62.5µm (OM1) MM Pigtail	F-5	AFO B R 024 OM1	180580147	Building Distribution Cable, Non-Plenum-OFNR, OM1, 24 Fiber, Indoor	F-1
91-BR0120M2-10-002	180590538	12 Fiber Pigtailed, ST, 2 M, 50µm (OM2) MM Pigtail	F-5	AFO B R 024 OM2	180580091	Building Distribution Cable, Non-Plenum-OFNR, OM2, 24 Fiber, Indoor	F-1
91-BR0120M2-30-002	180590539	12 Fiber Pigtailed, SC, 2 M, 50µm (OM2) MM Pigtail	F-5	AFO B R 024 OM3	180580071	Building Distribution Cable, Non-Plenum-OFNR, OM3, 24 Fiber, Indoor	F-1
91-BR0120M2-LO-002	180590540	12 Fiber Pigtailed, LC, 2 M, 50µm (OM2) MM Pigtail	F-5	AFO B R 024 OS1	180580111	Building Distribution Cable, Non-Plenum-OFNR, OS1, 24 Fiber, Indoor	F-1
91-BR0120M3-10-002	180590541	12 Fiber Pigtailed, ST, 2 M, 50µm (OM3) MM Pigtail	F-5	AFO B R 048 OM1	180580149	Building Distribution Cable, Non-Plenum-OFNR, OM1, 48 Fiber, Indoor	F-1
91-BR0120M3-30-002	180590542	12 Fiber Pigtailed, SC, 2 M, 50µm (OM3) MM Pigtail	F-5	AFO B R 048 OM2	180580093	Building Distribution Cable, Non-Plenum-OFNR, OM2, 48 Fiber, Indoor	F-1
91-BR0120M3-LO-002	180590543	12 Fiber Pigtailed, LC, 2 M, 50µm (OM3) MM Pigtail	F-5	AFO B R 048 OM3	180580073	Building Distribution Cable, Non-Plenum-OFNR, OM3, 48 Fiber, Indoor	F-1
91-BR0120S1-10-002	180590544	12 Fiber Pigtailed, ST, 2 M, (OS1) SM Pigtail	F-5	AFO B R 048 OS1	180580113	Building Distribution Cable, Non-Plenum-OFNR, OS1, 48 Fiber, Indoor	F-1
91-BR0120S1-30-002	180590545	12 Fiber Pigtailed, SC, 2 M, (OS1) SM Pigtail	F-5	AFO B R 072 OM1	180580151	Building Distribution Cable, Non-Plenum-OFNR, OM1, 72 Fiber, Indoor	F-1
91-BR0120S1-LO-002	180590546	12 Fiber Pigtailed, LC, 2 M, (OS1) SM Pigtail	F-5	AFO B R 072 OM2	180580095	Building Distribution Cable, Non-Plenum-OFNR, OM2, 72 Fiber, Indoor	F-1
91-BR0020M2-HH-***	Consult Molex	2 Fiber Patch Cord, OFNR, TB, OM2	I-2	AFO B R 072 OM3	180580075	Building Distribution Cable, Non-Plenum-OFNR, OM3, 72 Fiber, Indoor	F-1
91-BR0020M3-HH-***	Consult Molex	2 Fiber Patch Cord, OFNR, TB, OM3	I-2	AFO B R 072 OS1	180580115	Building Distribution Cable, Non-Plenum-OFNR, OS1, 72 Fiber, Indoor	F-1
91-BR0020S1-HH-***	Consult Molex	2 Fiber Patch Cord, OFNR, TB, OS1	I-2	AFO B R 144 OM1	180580153	Building Distribution Cable, Non-Plenum-OFNR, OM1, 144 Fiber	F-1
91-IC0020M1-HH-***	Consult Molex	Indoor/Outdoor Fiber Patch Cord, OFNR, OM1	I-2	AFO B R 144 OM2	180580097	Building Distribution Cable, Non-Plenum-OFNR, OM2, 144 Fiber	F-1
91-IC0020M2-HH-***	Consult Molex	Indoor/Outdoor Fiber Patch Cord, OFNR, OM2	I-2	AFO B R 144 OM3	180580077	Building Distribution Cable, Non-Plenum-OFNR, OM3, 144 Fiber	F-1
91-IC0020M3-HH-***	Consult Molex	Indoor/Outdoor Fiber Patch Cord, OFNR, OM3	I-2	AFO B R 144 OS1	180580117	Building Distribution Cable, Non-Plenum-OFNR, OS1, 144 Fiber	F-1
91-IC0020S1-HH-***	Consult Molex	Indoor/Outdoor Fiber Patch Cord, OFNR, OS1	I-2	AFO C P 002 OM1	180580140	Building Distribution Cable, Plenum, OM1, 2 Fiber, Round Cordage	F-1
91-IP0120M1-TT-***	Consult Molex	12 Fiber Patch Assembly, OFNP, LT, OM1	I-2	AFO C P 002 OM2	180580138	Building Distribution Cable, Plenum, OM2, 2 Fiber, Round Cordage	F-1
91-IP0020M2-TT-***	Consult Molex	12 Fiber Patch Assembly, OFNP, LT, OM2	I-2	AFO C P 002 OM3	180580136	Building Distribution Cable, Plenum, OM3, 2 Fiber, Round Cordage	F-1
91-IP0020M3-TT-***	Consult Molex	12 Fiber Patch Assembly, OFNP, LT, OM3	I-2	AFO C P 002 OS1	180580142	Building Distribution Cable, Plenum, OS1, 2 Fiber, Round Cordage	F-1
91-IP0020S1-TT-***	Consult Molex	12 Fiber Patch Assembly, OFNP, LT, OS1	I-2	AFO C P 004 OM1	180580141	Building Distribution Cable, Plenum, OM1, 4 Fiber, Round Cordage	F-1
91-IR0120M1-TT-***	Consult Molex	12 Fiber Patch Assembly, OFNR, LT, OM1	I-2	AFO C P 004 OM2	180580139	Building Distribution Cable, Plenum, OM2, 4 Fiber, Round Cordage	F-1
91-IR0020M2-TT-***	Consult Molex	12 Fiber Patch Assembly, OFNR, LT, OM2	I-2	AFO C P 004 OM3	180580137	Building Distribution Cable, Plenum, OM3, 4 Fiber, Round Cordage	F-1
91-IR0020M3-TT-***	Consult Molex	12 Fiber Patch Assembly, OFNR, LT, OM3	I-2	AFO C R 002 OM1	180580132	Building Distribution Cable, Non-Plenum, OM1, 2 Fiber, Round Cordage	F-1
91-IR0020S1-TT-***	Consult Molex	12 Fiber Patch Assembly, OFNR, LT, OS1	I-2	AFO C R 002 OM2	180580130	Building Distribution Cable, Non-Plenum, OM2, 2 Fiber, Round Cordage	F-1
91-X2122-2YYY	Consult Molex	12 Fiber ModLink Cable, OM1	G-1	AFO C R 002 OM3	180580128	Building Distribution Cable, Non-Plenum, OM3, 2 Fiber, Round Cordage	F-1
91-X2122-4YYY	Consult Molex	12 Fiber ModLink Cable, OS1	G-1	AFO C R 002 OS1	180580134	Building Distribution Cable, Non-Plenum, OS1, 2 Fiber, Round Cordage	F-1
91-X2122-6YYY	Consult Molex	12 Fiber ModLink Cable, OM3	G-1	AFO C R 004 OM1	180580133	Building Distribution Cable, Non-Plenum, OM1, 4 Fiber, Round Cordage	F-1
91-X2122-6YYY	Consult Molex	12 Fiber ModLink Cable, OM2	G-1	AFO C R 004 OM2	180580131	Building Distribution Cable, Non-Plenum, OM2, 4 Fiber, Round Cordage	F-1

Order No. Reference

Part No.	SAP No.	Product Description	Page	Part No.	SAP No.	Product Description	Page
AFO C R 004 OM3	180580129	Building Distribution Cable, Non-Plenum, OM3, 4 Fiber, Round Cordage	F-1	AFR-00342	183190002	Modular Splice Cassette 6 Fiber Multimode OM2 Duplex SC	G-3
AFO C R 004 OS1	180580135	Building Distribution Cable, Non-Plenum, OS1, 4 Fiber, Round Cordage	F-1	AFR-00343	183190003	Modular Splice Cassette 6 Fiber Multimode OM3 Duplex SC	G-3
AFO C R 004 OS1	180580143	Building Distribution Cable, Plenum, OS1, 4 Fiber, Round Cordage	F-1	AFR-00344	183190004	Modular Splice Cassette 12 Fiber Singlemode OS1 Duplex SC	G-3
AFO I P 012 OM1	180580182	Loose Tube Cable, Plenum-OFNP, OM1, 12 Fiber	F-2	AFR-00345	183190005	Modular Splice Cassette 12 Fiber Multimode OM1 Duplex SC	G-3
AFO I P 012 OM2	180580200	Loose Tube Cable, Plenum-OFNP, OM2, 12 Fiber	F-2	AFR-00346	183190006	Modular Splice Cassette 12 Fiber Multimode OM2 Duplex SC	G-3
AFO I P 012 OM3	180580218	Loose Tube Cable, Plenum-OFNP, OM3, 12 Fiber	F-2	AFR-00347	183190007	Modular Splice Cassette 12 Fiber Multimode OM3 Duplex SC	G-3
AFO I P 012 OS1	180580236	Loose Tube Cable, Plenum-OFNP, OS1, 12 Fiber	F-2	AFR-00348	183190008	Modular Splice Cassette 12 Fiber Singlemode OS1 Duplex LC	G-3
AFO I P 024 OM1	180580183	Loose Tube Cable, Plenum-OFNP, OM1, 24 Fiber	F-2	AFR-00349	183190009	Modular Splice Cassette 12 Fiber Multimode OM1 Duplex LC	G-3
AFO I P 024 OM2	180580201	Loose Tube Cable, Plenum-OFNP, OM2, 24 Fiber	F-2	AFR-00350	183190010	Modular Splice Cassette 12 Fiber Multimode OM2 Duplex LC	G-3
AFO I P 024 OM3	180580219	Loose Tube Cable, Plenum-OFNP, OM3, 24 Fiber	F-2	AFR-00351	183190011	Modular Splice Cassette 12 Fiber Multimode OM3 Duplex LC	G-3
AFO I P 024 OS1	180580237	Loose Tube Cable, Plenum-OFNP, OS1, 24 Fiber	F-2	AFR-00352	183190012	Modular Splice Cassette 24 Fiber Singlemode OS1 Quad LC	G-3
AFO I P 048 OM1	180580185	Loose Tube Cable, Plenum-OFNP, OM1, 48 Fiber	F-2	AFR-00353	183190013	Modular Splice Cassette 24 Fiber Multimode OM1 Quad LC	G-3
AFO I P 048 OM2	180580203	Loose Tube Cable, Plenum-OFNP, OM2, 48 Fiber	F-2	AFR-00354	183190014	Modular Splice Cassette 24 Fiber Multimode OM2 Quad LC	G-3
AFO I P 048 OM3	180580221	Loose Tube Cable, Plenum-OFNP, OM3, 48 Fiber	F-2	AFR-00355	183190015	Modular Splice Cassette 24 Fiber Multimode OM3 Quad LC	G-3
AFO I P 048 OS1	180580239	Loose Tube Cable, Plenum-OFNP, OS1, 48 Fiber	F-2	AFR-00357	180600135	ST 6 Fiber SM Adapter Plate	F-9
AFO I P 072 OM1	180580187	Loose Tube Cable, Plenum-OFNP, OM1, 72 Fiber	F-2	AFR-00358	180600136	SC Duplex 6 Fiber SM Adapter Plate - Blue	F-9
AFO I P 072 OM2	180580205	Loose Tube Cable, Plenum-OFNP, OM2, 72 Fiber	F-2	AFR-00360	180600138	SC Duplex 6 Fiber MM Adapter Plate - Beige	F-9
AFO I P 072 OM3	180580223	Loose Tube Cable, Plenum-OFNP, OM3, 72 Fiber	F-2	AFR-00362	180600140	SC Duplex 12 Fiber MM Adapter Plate - Beige	F-9
AFO I P 072 OS1	180580241	Loose Tube Cable, Plenum-OFNP, OS1, 72 Fiber	F-2	AFR-00363	180600141	6 Fiber Blank Plastic pack of 4	F-9
AFO I P 144 OM1	180580189	Loose Tube Cable, Plenum-OFNP, OM1, 144 Fiber	F-2	AFR-00364	180600142	ST 6 Fiber Adapter Plate unloaded	F-9
AFO I P 144 OM2	180580207	Loose Tube Cable, Plenum-OFNP, OM2, 144 Fiber	F-2	AFR-00365	180600143	LC Duplex 12 Fiber SM Adapter Plate - Blue	F-9
AFO I P 144 OM3	180580225	Loose Tube Cable, Plenum-OFNP, OM3, 144 Fiber	F-2	AFR-00366	180600144	LC Duplex 12 Fiber MM Adapter Plate - Beige	F-9
AFO I P 144 OS1	180580243	Loose Tube Cable, Plenum-OFNP, OS1, 144 Fiber	F-2	AFR-00367	180600145	SC 6 Fiber Adapter Plate unloaded	F-9
AFO I R 012 OM1	180580173	Loose Tube Cable, Non-Plenum-OFNR, OM1, 12 Fiber	F-2	AFR-00368	180600146	SC Duplex 12 Fiber SM Adapter Plate - Blue	F-9
AFO I R 012 OM2	180580191	Loose Tube Cable, Non-Plenum-OFNR, OM2, 12 Fiber	F-2	AFR-00369	180600147	LC Quad 12 Fiber SM Plate - Blue	F-9
AFO I R 012 OM3	180580209	Loose Tube Cable, Non-Plenum-OFNR, OM3, 12 Fiber	F-2	AFR-00370	180600148	LC Quad 12 Fiber MM Plate - Beige	F-9
AFO I R 012 OS1	180580227	Loose Tube Cable, Non-Plenum-OFNR, OS1, 12 Fiber	F-2	AFR-00371	180600149	FC 6 Fiber MM Adapter Plate	F-9
AFO I R 024 OM1	180580174	Loose Tube Cable, Non-Plenum-OFNR, OM1, 24 Fiber	F-2	AFR-00372	180600150	SC Duplex 6 Fiber MM OM3 Adapter Plate - Aqua	F-9
AFO I R 024 OM2	180580192	Loose Tube Cable, Non-Plenum-OFNR, OM2, 24 Fiber	F-2	AFR-00374	180600152	SC Duplex 12 Fiber MM OM3 Adapter Plate - Aqua	F-9
AFO I R 024 OM3	180580210	Loose Tube Cable, Non-Plenum-OFNR, OM3, 24 Fiber	F-2	AFR-00375	180600153	LC Quad 12 Fiber MM OM3 Adapter Plate - Aqua	F-9
AFO I R 024 OS1	180580228	Loose Tube Cable, Non-Plenum-OFNR, OS1, 24 Fiber	F-2	AFR-00376	Consult Molex	LC Duplex 12 Fiber MM OM3 Adapter Plate - Aqua	F-9
AFO I R 048 OM1	180580176	Loose Tube Cable, Non-Plenum-OFNR, OM1, 48 Fiber	F-2	AFR-00377	180600155	LC Quad 24 Fiber MM OM1 LC Adapter Plate - Beige	F-10
AFO I R 048 OM2	180580194	Loose Tube Cable, Non-Plenum-OFNR, OM2, 48 Fiber	F-2	AFR-00378	180600156	LC Quad 24 Fiber MM OM3 LC Adapter Plate - Aqua	F-10
AFO I R 048 OM3	180580212	Loose Tube Cable, Non-Plenum-OFNR, OM3, 48 Fiber	F-2	AFR-00379	180600157	LC Quad 24 Fiber SM OS1 LC Adapter Plate - Blue	F-10
AFO I R 048 OS1	180580230	Loose Tube Cable, Non-Plenum-OFNR, OS1, 48 Fiber	F-2	AFR-00380	183190016	Modular Splice Cassette Housing and Lid	G-3
AFO I R 072 OM1	180580178	Loose Tube Cable, Non-Plenum-OFNR, OM1, 72 Fiber	F-2	AFR-00382	183190017	Modular Splice Cassette 6 Fiber Singlemode OS1 ST	G-3
AFO I R 072 OM2	180580196	Loose Tube Cable, Non-Plenum-OFNR, OM2, 72 Fiber	F-2	AFR-00383	183190018	Modular Splice Cassette 6 Fiber Multimode OM1 ST	G-3
AFO I R 072 OM3	180580214	Loose Tube Cable, Non-Plenum-OFNR, OM3, 72 Fiber	F-2	AFR-00384	183190019	Modular Splice Cassette 6 Fiber Multimode OM2 ST	G-3
AFO I R 072 OS1	180580232	Loose Tube Cable, Non-Plenum-OFNR, OS1, 72 Fiber	F-2	AFR-00387	182620013	LC Multimode OM1 250/900µ BF Beige 12 PC Connector Kit	F-13
AFO I R 144 OM1	180580180	Loose Tube Cable, Non-Plenum-OFNR, OM1, 144 Fiber	F-2	AFR-00388	182620014	LC Multimode OM2 250/900µ BF Black 12 PC Connector Kit	F-13
AFO I R 144 OM2	180580198	Loose Tube Cable, Non-Plenum-OFNR, OM2, 144 Fiber	F-2	AFR-00389	182620015	LC Multimode OM3 10g 250/900µ BF Aqua12 PC Connector Kit	F-13
AFO I R 144 OM3	180580216	Loose Tube Cable, Non-Plenum-OFNR, OM3, 144 Fiber	F-2	AFR-00390	182620016	LC Singlemode OS1 250/900µ BF Blue 12 PC Connector Kit	F-13
AFO I R 144 OS1	180580234	Loose Tube Cable, Non-Plenum-OFNR, OS1, 144 Fiber	F-2	AFR-00391	182620017	SC Multimode OM1 250/900µ BF Beige 12 PC Connector Kit	F-13
AFO Z P 002 OM1	TBD	Building Distribution Cable, Plenum-OFNP, OM1, 2 Fiber, Zip Cordage	F-1	AFR-00392	182620018	SC Multimode OM2 250/900µ BF Black 12 PC Connector Kit	F-13
AFO Z P 002 OM2	TBD	Building Distribution Cable, Plenum-OFNP, OM2, 2 Fiber, Zip Cordage	F-1	AFR-00393	182620019	SC Multimode OM3 10g 250/900µ BF Aqua 12 PC Connector Kit	F-13
AFO Z P 002 OM3	TBD	Building Distribution Cable, Plenum-OFNP, OM3, 2 Fiber, Zip Cordage	F-1	AFR-00394	182620020	SC Singlemode OS1 250/900µ BF Blue 12 PC Connector Kit	F-13
AFO Z P 002 OS1	TBD	Building Distribution Cable, Plenum-OFNP, OS1, 2 Fiber, Zip Cordage	F-1	AFR-00395	182620021	SC/APC Singlemode OS1 250/900µ BF APC Green 12 PC Connector Kit	F-13
AFO Z R 002 OM1	TBD	Building Distribution Cable, Non-Plenum, OM1, 2 Fiber, Zip Cordage	F-1	CAA-0181P-02	181700030	PowerCat 6-500 U/UTP 4 Pair Cable, Plenum, White	C-4
AFO Z R 002 OM2	TBD	Building Distribution Cable, Non-Plenum, OM2, 2 Fiber, Zip Cordage	F-1	CAA-0181P-08	181700028	PowerCat 6-500 U/UTP 4 Pair Cable, Plenum, Light Gray	C-4
AFO Z R 002 OM3	TBD	Building Distribution Cable, Non-Plenum, OM3, 2 Fiber, Zip Cordage	F-1	CAA-0181P-BL	181700024	PowerCat 6-500 U/UTP 4 Pair Cable, Riser, Blue	C-4
AFO Z R 002 OS1	TBD	Building Distribution Cable, Non-Plenum, OS1, 2 Fiber, Zip Cordage	F-1	CAA-0181P-BL	181700031	PowerCat 6-500 U/UTP 4 Pair Cable, Plenum, Blue	C-4
AFR-00001	180600027	Universal Splice Tray	F-14	CAA-0181R-02	181700025	PowerCat 6-500 U/UTP 4 Pair Cable, Riser, White	C-4
AFR-00200	180600093	ST/ST Duplex Adapter, SM, Zirconia, Flange Mount - Blue	F-12	CAA-0181R-08	181700023	PowerCat 6-500 U/UTP 4 Pair Cable, Riser, Light Gray	C-4
AFR-00201	180600094	ST/ST Duplex Adapter, MM, P Bronze, Flange Mount - Beige	F-12	CAA-0184P-02	181700047	PowerCat 5E-100 4 Pair Cable, Plenum White	C-7
AFR-00222	180600069	Universal Splice Tray Mounting Bracket - 1U	F-6, F-14	CAA-0184P-08	181700048	PowerCat 5E-100 4 Pair Cable, Plenum Lt Gray	C-7
AFR-00322	180600095	Fiber Optic Cleaver	K-1	CAA-0184P-BL	181700046	PowerCat 5E-100 4 Pair Cable, Plenum Blue	C-7
AFR-00323	180600096	Pocket Fault Locator	K-1	CAA-0184R-02	181700044	PowerCat 5E-100 4 Pair Cable, Riser White	C-7
AFR-00324	Consult Molex	Universal Splice Tray Mounting Bracket - 2U	F-6, F-14	CAA-0184R-08	181700045	PowerCat 5E-100 4 Pair Cable, Riser Lt Gray	C-7
AFR-00337	180690053	12 Fiber Fusion Splice Holder	G-3	CAA-0184R-BL	181700043	PowerCat 5E-100 4 Pair Cable, Riser Blue	C-7
AFR-00340	183190000	Modular Splice Cassette 6 Fiber Singlemode OS1 Duplex SC	G-3	CAA-0195P-02	181740024	PowerCat 6-250 U/UTP 4 Pair Cable, Plenum, White	C-4
AFR-00341	183190001	Modular Splice Cassette 6 Fiber Multimode OM1 Duplex SC	G-3	CAA-0195P-08	181740025	PowerCat 6-250 U/UTP 4 Pair Cable, Plenum, Light Gray	C-4

Order No. Reference

Part No.	SAP No.	Product Description	Page	Part No.	SAP No.	Product Description	Page
CAA-0195P-BL	181740023	PowerCat 6-250 U/UTP 4 Pair Cable, Plenum, Blue	C-4	KFR-00038	182680003	Front Plate Labels (pack of 20)	F-6
CAA-0195R-02	181740027	PowerCat 6-250 U/UTP 4 Pair Cable, Riser, White	C-4	KPC-00161	180420088	110 Style Patch Cord, 4 pair to 4 pair, C6 1m- Gray (bag of 1)	D-2
CAA-0195R-08	181740028	PowerCat 6-250 U/UTP 4 Pair Cable, Riser, Light Gray	C-4	KPC-00162	180420089	110 Style Patch Cord, 4 pair to 4 pair, C6 2m - Gray (bag of 1)	D-2
CAA-0195R-BL	181740026	PowerCat 6-250 U/UTP 4 Pair Cable, Riser, Blue	C-4	KPC-00163	180420090	110 Style Patch Cord, 4 pair to 4 pair, C6 3m - Gray (bag of 1)	D-2
CAA-0320P-02	183020005	PowerCat6A F/UTP 4 Pair Cable, Plenum White	C-1	KPC-00165	180420091	110 Style Patch Cord, 4 pair to 4 pair, C6 5m - Gray (bag of 1)	D-2
CAA-0320P-08	183020003	PowerCat6A F/UTP 4 Pair Cable, Plenum Gray	C-1	KPC-00171	180420092	110 Style Patch Cord, 4 pair to RJ45, C6 1m- Gray (bag of 1)	D-2
CAA-0320P-BL	183020004	PowerCat6A F/UTP 4 Pair Cable, Plenum Blue	C-1	KPC-00172	180420093	110 Style Patch Cord, 4 pair to RJ45, C6 2m- Gray (bag of 1)	D-2
CAA-0320R-02	183020008	PowerCat6A F/UTP 4 Pair Cable, Riser White	C-1	KPC-00173	180420094	110 Style Patch Cord, 4 pair to RJ45, C6 3m- Gray (bag of 1)	D-2
CAA-0320R-08	183020006	PowerCat6A F/UTP 4 Pair Cable, Riser Gray	C-1	KPD-00045	181980031	100 Pair Block Kit with legs & 24 110 Style Category 5E C4 connectors	D-3
CAA-0320R-BL	183020007	PowerCat6A F/UTP 4 Pair Cable, Riser Blue	C-1	KPD-00046	181980032	100 Pair Block Kit with legs & 20 110 Style Category 5E C5 connectors	D-3
CMA-00083	181050000	12" Vertical Rack Cable Manager - Front/Back & Front Door	J-1	KPD-00047	181980033	300 Pair Block Kit with legs & 72 110 Style Category 5E C4 connectors	D-3
CMA-00084	181050001	8" Vertical Rack Cable Manager - Front/Back & Front Door	J-1	KPD-00048	181980034	300 Pair Block Kit with legs & 60 110 Style Category 5E C5 connectors	D-3
CMA-00085	181050006	1U Horizontal Cable Manager	J-1, J-2	KPD-00053	181980039	1U PDS Horizontal Cable Manager	J-2
CMA-00087	181050006	2U Horizontal Cable Manager	J-1, J-2	KPD-00056	181980041	Standard Punchdown Tool	K-1
CMA-00088	181050012	12" Vertical Cable Retainer - 5 Pack	J-1	KPD-00058	181980022	110-Category 5E C4 Connectors (bag of 100)	D-3
CMA-00089	181050013	Spools - 2 Pack	J-1	KPD-00059	181980023	110-Category 5E C5 Connectors (bag of 100)	D-3
CMA-00090	181050014	Finger Guides - 5 Pack	J-1	KPD-00060	181980043	200 Pair 3U PDS Kit with 48 110 Style Category 5E C4 connectors	D-3
CMA-00096	181050017	8" Vertical Cable Retainer - 5 Pack	J-1	KPD-00061	181980044	200 Pair 3U PDS Kit with 40 110 Style Category 5E C5 connectors	D-3
CMA-00097	181050022	Cable Radius Minders - 8 per bag	C-5, C-8	KPD-00062	181980045	200 Pair 4U PDS Kit with 48 110 Style Category 5E C4 connectors	D-3
CMA-00098	181050023	DataGate Flat Panel Rear Cable Manager	C-5, C-8	KPD-00063	181980046	200 Pair 4U PDS Kit with 40 110 Style Category 5E C5 connectors	D-3
CMP-00001	183170000	48 Port Copper ModLink Panel, 1U with cassettes loaded	G-4	KPD-00077	181980047	12 Port Category 5E 89D Patch Panel 568B	C-9
CMP-00002	183170001	24 Port Copper ModLink Panel, 1U with cassettes loaded	G-4	KPD-00078	181980088	96 Pair Block Kit Without Legs & 24 110 Style Category 6 C4 Connectors	D-1
CMP-00003	183170002	12 Port Copper ModLink Cassette	G-4	KPD-00079	181980068	96 Pair Block Kit With Legs & 24 110 Style Category 6 C4 Connectors	D-1
CMP-00004	183170003	6 Port Copper ModLink Cassette	G-4	KPD-00080	181980085	192 Pair Rack Mount Panel (48 C6 4 Pair IDC Connectors) C6 - 3U	D-1
CMP-00005	183170004	Copper ModLink Panel, 1U unloaded	G-4	KPD-00086	181980069	C6 110 Style Multi Pair Termination Tool Replacement Head	D-2, K-1
Consult Molex	Consult Molex	iPass RJ45 Cable Assembly, 6 port	G-4	KPD-00087	181980070	C6 110 Style Multi Pair Termination Tool with head & handle	D-2, K-1
CPT-00004	180080020	Multi User Telecommunications Outlet (MUTO)	H-8	KPD-00088	181980071	110-Category 6 C4 Connectors (Bag of 100)	D-1
CSP-00003	180400029	USO II Clear Label Holders (bag of 20)	H-2	KPD-00089	181980072	96 Pair Base Without Legs (No Connectors) C6	D-1
CSP-00013	182080026	Clear Label Holder (Bag of 25)	H-1	KPD-00090	181980073	96 Pair Base With Legs (No Connectors) C6	D-1
CSP-00018-04	180400053	Punch Down Puck Kit- Black	K-1	KSJ-00005-0*	Consult Molex	Single Position Blank Module (Bag of 25)	H-1
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)	C-2, C-3, C-5, C-7, C-8, H-3, H-4	KSJ-00018-01	181970083	PowerCat 6 DataGate Jack, 568A/B Almond color	C-3
CSP-00022-**	Consult Molex	Data 6-Pack Icons (Bag of 10)	C-3, C-5, C-7, C-8, H-3, H-4	KSJ-00018-02	181970080	PowerCat 6 DataGate Jack, 568A/B White color	C-3
CSP-00023-**	Consult Molex	Voice 6-Pack Icons (Bag of 10)	C-3, C-5, C-7, C-8, H-3, H-4	KSJ-00018-04	181970081	PowerCat 6 DataGate Jack, 568A/B Black color	C-3
CSP-00025-**	Consult Molex	Snapz Telecom Icon Tree (Bag of 10)	H-1, H-7, H-8	KSJ-00018-05	181970084	PowerCat 6 DataGate Jack, 568A/B Ivory color	C-3
CSP-00026-**	Consult Molex	Snapz Alpha Icon Tree (Bag of 10)	H-1, H-7, H-8	KSJ-00018-08	181970085	PowerCat 6 DataGate Jack, 568A/B Gray color	C-3
CSP-00028-0*	Consult Molex	A-F Icon Tree (Bag of 10)	H-3, H-4	KSJ-00018-BL	181970086	PowerCat 6 DataGate Jack, 568A/B Blue color	C-3
CSP-00032	Consult Molex	Label holder kit (Bag of 10)	C-8	KSJ-00018-GR	181970087	PowerCat 6 DataGate Jack, 568A/B Green color	C-3
FA-100	180600097	Pan Tilt Swivel Mounting Bracket	E-1	KSJ-00018-RD	181970088	PowerCat 6 DataGate Jack, 568A/B Red color	C-3
ICA-00001-08	183030000	iPass 24 pair Gigabit UTP Cable Assembly CMP 25m - Gray	G-5	KSJ-00018-RG	181970089	PowerCat 6 DataGate Jack, 568A/B Orange color	C-3
ICA-00002-08	183030001	iPass 24 pair Gigabit UTP Cable Assembly CMR 25m - Gray	G-5	KSJ-00018-YL	181970090	PowerCat 6 DataGate Jack, 568A/B Yellow color	C-3
ICA-00003-08	183030002	iPass 24 pair Gigabit UTP Cable Assembly CMP 30m - Gray	G-5	KSJ-00024-01	181970102	PowerCat 5E DataGate Jack, 568A/B Almond	C-7
ICA-00004-08	183030003	iPass 24 pair Gigabit UTP Cable Assembly CMR 30m - Gray	G-5	KSJ-00024-02	181970103	PowerCat 5E DataGate Jack, 568A/B White	C-7
ICA-00005-08	183030004	iPass 24 pair Gigabit UTP Cable Assembly CMP 35m - Gray	G-5	KSJ-00024-04	181970105	PowerCat 5E DataGate Jack, 568A/B Black	C-7
ICA-00006-08	183030005	iPass 24 pair Gigabit UTP Cable Assembly CMR 35m - Gray	G-5	KSJ-00024-05	181970106	PowerCat 5E DataGate Jack, 568A/B Ivory	C-7
ICA-00007-08	183030006	iPass 24 pair Gigabit UTP Cable Assembly CMP 40m - Gray	G-5	KSJ-00024-08	181970104	PowerCat 5E DataGate Jack, 568A/B Gray	C-7
ICA-00008-08	183030007	iPass 24 pair Gigabit UTP Cable Assembly CMR 40m - Gray	G-5	KSJ-00024-BL	181970110	PowerCat 5E DataGate Jack, 568A/B Blue	C-7
ICA-00009-08	183030008	iPass 24 pair Gigabit UTP Cable Assembly CMP 45m - Gray	G-5	KSJ-00024-GR	181970108	PowerCat 5E DataGate Jack, 568A/B Green	C-7
ICA-00010-08	183030009	iPass 24 pair Gigabit UTP Cable Assembly CMR 45m - Gray	G-5	KSJ-00024-RD	181970112	PowerCat 5E DataGate Jack, 568A/B Red	C-7
ICA-00011-08	183030010	iPass 24 pair Gigabit UTP Cable Assembly CMP 50m - Gray	G-5	KSJ-00024-RG	181970107	PowerCat 5E DataGate Jack, 568A/B Orange	C-7
ICA-00012-08	183030011	iPass 24 pair Gigabit UTP Cable Assembly CMR 50m - Gray	G-5	KSJ-00024-YL	181970111	PowerCat 5E DataGate Jack, 568A/B Yellow	C-7
IMA-00101	183250003	MIIM 96 Channel PP License	A-2	KSJ-00032-01	181970168	PowerCat 5E Keystone Jack 568A/B Almond	C-10
IMA-00102	183250004	MIIM Server Application License	A-2	KSJ-00032-02	181970169	PowerCat 5E Keystone Jack 568A/B White	C-10
IMM-00101	183250002	MIIM Software Maintenance - 96 Channels	A-2	KSJ-00032-04	181970171	PowerCat 5E Keystone Jack 568A/B Black	C-10
IMM-00102	183250005	MIIM Software Maintenance - Server Application	A-2	KSJ-00032-05	181970172	PowerCat 5E Keystone Jack 568A/B Ivory	C-10
IMS-00100	183240000	MIIM 576 Channel Scanner	A-1	KSJ-00032-08	181970170	PowerCat 5E Keystone Jack 568A/B Gray	C-10
IMT-00100	183220000	MIIM Category 6 Outlet Terminator (pack of 24)	A-2	KSJ-00032-BL	181970176	PowerCat 5E Keystone Jack 568A/B Blue	C-10
IMT-00101	183220001	MIIM Category 6A Outlet Terminator	A-2	KSJ-00032-GR	181970174	PowerCat 5E Keystone Jack 568A/B Green	C-10
KFR-00037	182680002	Bend Limiting Tube 435mm (pack of 20)	F-6	KSJ-00032-RD	181970178	PowerCat 5E Keystone Jack 568A/B Red	C-10
				KSJ-00032-RG	181970173	PowerCat 5E Keystone Jack 568A/B Orange	C-10
				KSJ-00032-YL	181970177	PowerCat 5E Keystone Jack 568A/B Yellow	C-10
				KSJ-00033-01	181970157	PowerCat 6 Keystone Jack 568A/B Almond	C-6

Order No. Reference

Part No.	SAP No.	Product Description	Page	Part No.	SAP No.	Product Description	Page
KSJ-00033-02	181970158	PowerCat 6 Keystone Jack 568A/B White	C-6	MUS-00040-**	Consult Molex	2 BNC Coupler	H-7
KSJ-00033-04	181970160	PowerCat 6 Keystone Jack 568A/B Black	C-6	MUS-00042-**	Consult Molex	F Video Coupler	H-7
KSJ-00033-05	181970161	PowerCat 6 Keystone Jack 568A/B Ivory	C-6	MUS-00045-**	Consult Molex	USO II Module SC - Singlemode	H-8
KSJ-00033-08	181970159	PowerCat 6 Keystone Jack 568A/B Gray	C-6	MUS-00048-**	Consult Molex	USO II Module SC - Multimode	H-8
KSJ-00033-BL	181970165	PowerCat 6 Keystone Jack 568A/B Blue	C-6	MUS-00050-**	Consult Molex	USO II Module SC - Singlemode Duplex with shutter	H-8
KSJ-00033-GR	181970163	PowerCat 6 Keystone Jack 568A/B Green	C-6	MUS-00051-**	Consult Molex	2 Audio	H-7
KSJ-00033-RD	181970167	PowerCat 6 Keystone Jack 568A/B Red	C-6	MUS-00052-**	Consult Molex	USO II Module SC - Multimode Duplex with shutter	H-8
KSJ-00033-RG	181970162	PowerCat 6 Keystone Jack 568A/B Orange	C-6	MUS-00055-**	Consult Molex	2 Audio Field Terminable	H-7
KSJ-00033-YL	181970166	PowerCat 6 Keystone Jack 568A/B Yellow	C-6	MUS-00056-**	Consult Molex	S Video Field Terminable	H-7
KSJ-00062-02	183010003	PowerCat 6A DataGate Jack, Shielded, White Shutter	C-1	MUS-00057-**	Consult Molex	USO II Single Port Fascia - Unloaded (bag of 25)	H-2, H-7
KSJ-00062-04	183010002	PowerCat 6A DataGate Jack, Shielded, Black Shutter	C-1	MUS-00058-**	Consult Molex	USO II Double Port Fascia - Unloaded (bag of 25)	H-2, H-7
KSJ-00064-**	Consult Molex	Keystone Blank	C-6, C-10	MUS-00059-**	Consult Molex	USO II Blank Modules (bag of 20)	H-2, H-7, H-8
MFSO-110-48V-Type SFP	TBD	48V DC 25-156 Mbps FSO Wireless 20-500 Meter	E-1	MUS-00060-**	Consult Molex	2 F Video	H-7
MFSO-110-Type SFP	180600108	25-156 Mbps FSO Wireless 20-500 Meter	E-1	MUS-00063-**	Consult Molex	USO II Module ST - Singlemode	H-8
MFSO-130-48V-Type SFP	TBD	48V DC 1.25 Gbps FSO Wireless 100-1000 Meter	E-1	MUS-00072-**	Consult Molex	USO II Module ST - Multimode 2U	H-8
MFSO-130-Type SFP	180600110	1.25 Gbps FSO Wireless 100-1000 Meter	E-1	MUS-00094-**	Consult Molex	15 Pin HD D-Sub Coupler SVGA	H-7
MFSO-SFPLX	180600114	Gigabit Ethernet SM SFP MOD module	E-1	MUS-00095-**	Consult Molex	15 Pin HD D-Sub Coupler Fascia (Bag of 10)	H-7
MFSO-SFPM	180600111	100Base-FX, OC3, STM SONET MM SFP MOD module	E-1	MUS-00096-**	Consult Molex	1 Port Fascia (Bag of 10)	H-7
MFSO-SFPSM	180600112	100Base-FX, OC3, STM SONET SM SFP MOD module	E-1	MUS-00097-**	Consult Molex	2 Port Fascia (Bag of 10)	H-7
MFSO-SFPSX	180600113	Gigabit Ethernet MM SFP MOD module	E-1	MUS-00098-**	Consult Molex	3 RCA Field Terminable	H-7
MLCDLC120M1	181810142	12 Fiber ModLink Cassette, OM1, Duplex LC	G-1	MUS-00099-**	Consult Molex	SVGA D -Sub Field Terminable	H-7
MLCDLC120M2	181810147	12 Fiber ModLink Cassette, OM2, Duplex LC	G-1	MUS-00100-**	Consult Molex	3 RCA Field Terminable	H-7
MLCDLC120M3	181810152	12 Fiber ModLink Cassette, OM3, Duplex LC	G-1	MUS-00181-**	Consult Molex	Component Video Coupler	H-7
MLCDLC120S1	181810137	12 Fiber ModLink Cassette, OS1, Duplex LC	G-1	MUS-00182-**	Consult Molex	3.5mm Field Terminable	H-7
MLCDSC120M1	181810140	12 Fiber ModLink Cassette, OM1, Duplex SC	G-1	PCD-00173-OH	181910159	PowerCat 5E Patch Cord, 568A/B, Blue - 1 ft.	C-7
MLCDSC120M2	181810145	12 Fiber ModLink Cassette, OM2, Duplex SC	G-1	PCD-00174-OH	181910166	PowerCat 5E Patch Cord, 568A/B, Blue - 3 ft.	C-7
MLCDSC120M3	181810150	12 Fiber ModLink Cassette, OM3, Duplex SC	G-1	PCD-00175-OH	181910173	PowerCat 5E Patch Cord, 568A/B, Blue - 5 ft.	C-7
MLCDSC120S1	181810135	12 Fiber ModLink Cassette, OS1, Duplex SC	G-1	PCD-00176-OH	181910180	PowerCat 5E Patch Cord, 568A/B, Blue - 7 ft.	C-7
MLCQLC120M1	180370268	12 Fiber ModLink Cassette, OM1, Quad LC	G-1	PCD-00177-OH	181910187	PowerCat 5E Patch Cord, 568A/B, Blue - 10 ft.	C-7
MLCQLC120M2	180370267	12 Fiber ModLink Cassette, OM2, Quad LC	G-1	PCD-00178-OH	181910194	PowerCat 5E Patch Cord, 568A/B, Blue - 15 ft.	C-7
MLCQLC120M3	180370266	12 Fiber ModLink Cassette, OM3, Quad LC	G-1	PCD-00179-OH	181910201	PowerCat 5E Patch Cord, 568A/B, Blue - 25 ft.	C-7
MLCQLC120S1	180370269	12 Fiber ModLink Cassette, OS1, Quad LC	G-1	PCD-00200-OH	181910341	PowerCat 6 Patch Cord, 568A/B, Blue - 1ft.	C-3
MSY-00001-**	Consult Molex	Blank Module (bag of 25)	H-6	PCD-00201-OH	181990007	PowerCat 6 Patch Cord, 568A/B, Blue - 3 ft.	C-3
MSY-00001-02	182060013	Blank (bag of 25) - White Module	H-5	PCD-00202-OH	181990077	PowerCat 6 Patch Cord, 568A/B, Blue - 5 ft.	C-3
MSY-00002-02	182060131	F Video - White Module	H-5	PCD-00203-OH	181990009	PowerCat 6 Patch Cord, 568A/B, Blue - 7 ft.	C-3
MSY-00003-02	182060019	Synergy Module Single ST, Singlemode - White Module	H-6	PCD-00204-OH	181990082	PowerCat 6 Patch Cord, 568A/B, Blue - 10 ft.	C-3
MSY-00004-02	182080024	Synergy Module Single ST, Multimode - White Module	H-6	PCD-00205-OH	181990078	PowerCat 6 Patch Cord, 568A/B, Blue - 15 ft.	C-3
MSY-00006-02	182060245	2 A Plus Video - White Module	H-5	PCD-00206-OH	181910376	PowerCat 6 Patch Cord, 568A/B, Blue - 25 ft	C-3
MSY-00007-02	182060122	S Plus Video - White Module	H-5	PCD-00456-OE	Consult Molex	PowerCat 6 U/UTP Solid Equipment Cord Assembly Gray 4M	C-4
MSY-00018-02	182060029	Synergy Module Single SC, Singlemode - White Module	H-6	PCD-00457-OE	Consult Molex	PowerCat 6 U/UTP Solid Equipment Cord Assembly Gray 6M	C-4
MSY-00020-**	Consult Molex	Synergy Module ST - Multimode	H-6	PCD-00458-OE	Consult Molex	PowerCat 6 U/UTP Solid Equipment Cord Assembly Gray 8M	C-4
MSY-00021-**	Consult Molex	Synergy Module ST - Singlemode	H-6	PCD-00459-OE	Consult Molex	PowerCat 6 U/UTP Solid Equipment Cord Assembly Gray 10M	C-4
MSY-00026-**	Consult Molex	Synergy Module Duplex SC - Singlemode with shutter	H-6	PCD-00700-OH	183160000	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 1m	C-2
MSY-00027-**	Consult Molex	Synergy Module Duplex SC - Singlemode no shutter	H-6	PCD-00701-OH	183160005	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 2m	C-2
MSY-00028-**	Consult Molex	Synergy Module Duplex SC - Multimode with shutter	H-6	PCD-00702-OH	183160010	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 3m	C-2
MSY-00032-02	182060059	S Video Coupler - White Module	H-5	PCD-00703-OH	183160015	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 5m	C-2
MSY-00033-R2	182060064	RCA Coupler Red - White Module	H-5	PCD-00704-OH	183160020	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 7m	C-2
MSY-00033-W2	182060096	RCA Coupler White - White Module	H-5	PCD-00705-OH	183160025	PowerCat 6A Shielded Patch Cord 568A/B, Blue - 10m	C-2
MSY-00033-Y2	182060101	RCA Coupler Yellow - White Module	H-5	PID-00073	181820012	PowerCat 5E High Density 48 Port Patch Panel, 568B, 1U	C-9
MSY-00034-02	182060071	15 pin HD D-Sub Coupler SVGA - White Module	H-5	PID-00076	182080054	1U 24 Port Multimedia Patch Panel	C-11
MSY-00035-02	182060076	15 Pin HD D-Sub Coupler Fascia (Bag of 10) - White Module	H-5	PID-00121	181520011	PowerCat 5E 24 Port Standard Grade Patch Panel, 568B, 1U	C-8
MSY-00036-02	182060081	BNC Coupler - White Module	H-5	PID-00122	181520012	PowerCat 5E 48 Port Standard Grade Patch Panel, 568B, 2U	C-8
MSY-00037-R2	182060227	RCA Field Terminable Red - White Module	H-5	PID-00141	182040009	PowerCat 6 24 Port Patch Panel 568A/B UTP, 1U	C-5
MSY-00037-W2	182060222	RCA Field Terminable White - White Module	H-5	PID-00142	182040010	PowerCat 6 48 Port Patch Panel 568A/B UTP, 2U	C-5
MSY-00037-Y2	182060232	RCA Field Terminable Yellow - White Module	H-5	PID-00154	182020245	PowerCat 5E 24 Port Angel Patch Panel 568A/B UTP, 1U	C-8
MSY-00038-02	182060240	S Video Field Terminable - White Module	H-5	PID-00155	182080295	PowerCat 5E 48 Port Angel Patch Panel 568A/B UTP, 2U	C-8
MSY-00040-02	182060092	Synergy Module Duplex LC, Multimode - White Module	H-6	PID-00156	182080297	PowerCat 6 24 Port Angel Patch Panel 568A/B UTP, 1U	C-5
MSY-00041-02	182060087	Synergy Module Duplex LC, Singlemode - White Module	H-6	PID-00157	182080299	PowerCat 6 48 Port Angel Patch Panel 568A/B UTP, 2U	C-5
MSY-00128-02	Consult Molex	3.5mm Field Terminable - White Module	H-5	PID-00174	182080372	PowerCat 5E 24 Port Patch Panel 568A/B UTP, 1U	C-8
MUS-00038-**	Consult Molex	USO II Module ST - Multimode	H-8	PID-00175	182080374	PowerCat 5E 48 Port Patch Panel 568A/B UTP, 2U	C-8
MUS-00039-**	Consult Molex	BNC	H-7	PID-00210	180810023	24 Port Keystone Patch Panel, Unloaded - 1U	C-6, C-10

Order No. Reference

Part No.	SAP No.	Product Description	Page	Part No.	SAP No.	Product Description	Page
PID-00217	182960000	PowerCat 6A 24 Port Patch Panel 568A/B Shielded, 1U	C-2	WSS-00007	184000555	DataGate Stainless Steel Wall Phone Plate	H-3
PID-00218	182960001	PowerCat 6A 24 Port Angled Patch Panel 568A/B Shielded, 1U	C-2	WSS-00008	181260001	1 Port, Industrial Solution Wallplate - Unloaded	I-1
PID-00219	182960002	PowerCat 6A 48 Port Patch Panel 568A/B Shielded, 2U	C-2	WSS-00009	181260002	2 Port, Industrial Solution Wallplate - Unloaded	I-1
PID-00220	182960003	PowerCat 6A 48 Port Angled Patch Panel 568A/B Shielded, 2U	C-2	WSY-00001-02	181770031	6 Port Synergy Wallplate - Unloaded	H-1
PID-00221	183200000	MIIM Category 6, 1U, 24 Port Patch Panel 568A/B	A-1	WSY-00002-02	182080075	4 Port Synergy Wallplate - Unloaded	H-1
PID-00231	183210000	MIIM Category 6A, 1U, 24 Port Patch Panel 568A/B	A-1	WSY-00003-02	181770080	3 Port Synergy Wallplate - Unloaded	H-1
PUS-00008	180090005	1U USP Panel	C-11	WSY-00004-02	181770040	4 Port 1U Synergy Wallplate-Unloaded	H-1
RAA-00002	180310026	Open Bay Rack	J-1	WSY-00005-02	181770008	4 Port Angled Synergy Wallplate - Unloaded	H-1
RAA-00208	180310161	Single Sided Solid Equipment Shelf	J-3	WSY-00006-02	181770010	2 Port Angled Synergy Wallplate - Unloaded	H-1
RAA-00209	180310162	Double Sided Solid Equipment Shelf	J-3	WSY-00007-02	Consult Molex	2 Port Grid Plate	H-4
RFR-001868	180370191	48-96 Port 2U Standard Grade Fiber Enclosure	F-6	WSY-00008-02	Consult Molex	4 Port Grid Plate	H-4
RFR-00201	180370259	24-48 Port Specification Grade Fiber Enclosure - 1U	F-6	WSY-00015-02	181770053	12 Port Double Gang Synergy Wallplate - Unloaded	H-1
RFR-00202	180370260	48-96 Port Specification Grade Fiber Enclosure - 2U	F-6	WSY-00016-02	181770058	10 Port Double Gang Synergy Wallplate - Unloaded	H-1
RFR-00204	180660016	144-288 Port Specification Grade Fiber Enclosure - 4U	F-6	WSY-00017-02	181770063	8 Port Double Gang Synergy Wallplate - Unloaded	H-1
RFR-00205	180660017	Swing-Out Fiber Panel Chassis- 1U	F-6	WSY-00018-02	181770068	2 Port Synergy Wallplate	H-1
RFR-00206	180660018	Swing-Out Fiber Panel Front Plate Blank	F-6	WUS-00001-0*	Consult Molex	USO II Single Gang Bezel, Alpha Icons - Unloaded	H-2
RFR-00207	180660019	Swing-Out Fiber Panel 6 Duplex SC Singlemode	F-6	WUS-00002-0*	Consult Molex	USO II Double Gang Bezel, Alpha Icons - Unloaded	H-2
RFR-00208	180660020	Swing-Out Fiber Panel 6 Duplex SC Multimode	F-6	WUS-00003-0*	Consult Molex	USO II Single Gang Bezel, Telecom Icons - Unloaded	H-2
RFR-00209	180660021	Swing-Out Fiber Panel 12 Duplex LC Singlemode	F-6	WUS-00004-0*	Consult Molex	USO II Double Gang Bezel, Telecom Icons - Unloaded	H-2
RFR-00210	180660022	Swing-Out Fiber Panel 12 ST Singlemode	F-6				
RFR-00211	180660023	Swing-Out Fiber Panel 12 ST Multimode	F-6				
RFR-00212	180660024	Swing-Out Fiber Panel 12 Duplex LC Multimode	F-6				
RFR-00300	183230000	MIIM Singlemode 24P Duplex LC Fiber Patch Panel	A-1				
RFR-00301	183230001	MIIM Multimode 24P Duplex LC Fiber Patch Panel	A-1				
RTMLPQLC480M1	181810154	48 Port Quad LC ModLink Panel, OM1 62.5µm Multimode, 0.90dB	G-1				
RTMLPQLC480M2	181810155	48 Port Quad LC ModLink Panel, OM2 50µm Multimode, 0.90dB	G-1				
RTMLPQLC480M3	181810156	48 Port Quad LC ModLink Panel, OM3 50µm Multimode, 0.75dB	G-1				
RTMLPQLC480S1	181810153	48 Port Quad LC ModLink Panel, OS1 Singlemode, 0.90dB	G-1				
SBX-00004-02	181770079	1 Port Modular Surface Box - Unloaded- White	H-1				
SSY-00001-0*	Consult Molex	4 Port /NEMA Cutout Size Minimum - 2.812" x 1.750" Unloaded	H-1				
SSY-00002-02	Consult Molex	2 Port Modular Surface Box - Unloaded	H-1				
SSY-00003-02	181770022	4 Port Modular Surface Box - Unloaded	H-1				
SSY-00004-02	181770027	6 Port Modular Surface Box - Unloaded	H-1				
SSY-00005-0*	Consult Molex	3 Port /TIA 569A Cutout Size 1.345" -1.405" x 2.630" x 2.850"	H-1				
SSY-00013-0*	Consult Molex	4 Port/TIA 569A Cutout Size 1.35" x 2.99"	H-1				
SUS-00001-0*	Consult Molex	USO II Uni-Fit - Unloaded	H-2				
SUS-00002-0*	Consult Molex	USO II 1U Surface Box- Unloaded	H-2				
SUS-00003-0*	Consult Molex	USO II 2 1U Surface Box- Unloaded	H-2				
WDP-00002-0*	Consult Molex	2 Port Decora Style Wallplate	H-4				
WDP-00004-0*	Consult Molex	4 Port Decora Style Wallplate	H-4				
WFR-00010-02	180970009	6 Fiber ST MM Loaded	F-8				
WFR-00011-02	180970010	6 Fiber ST SM Loaded	F-8				
WFR-00017	180970021	MMI-R - Metal cover - Graphite Gray	F-7				
WFR-00023	180090010	72 Point Demarcation Patch Unit	F-7				
WFR-00028-02	180970016	8 Fiber Duplex SC MM Loaded	F-8				
WFR-00029-02	180970017	8 Fiber Duplex SC SM Loaded	F-8				
WFR-00030-02	180970007	6 Fiber accepts Simplex SC or MT-RJ (2 fibers/port) Unloaded	F-8				
WFR-00034-02	Consult Molex	12 Fiber Duplex LC MM Loaded	F-8				
WFR-00035-02	Consult Molex	12 Fiber Duplex LC SM Loaded	F-8				
WFR-00047B	180080052	24-48 Port Standard Grade Fiber Wall Mount Enclosure	F-7				
WKP-00001-02	Consult Molex	Keystone Wallplate 1 Port - White	C-6, C-10				
WKP-00002-02	Consult Molex	Keystone Wallplate 2 Port - White	C-6, C-10				
WKP-00004-02	Consult Molex	Keystone Wallplate 4 Port - White	C-6, C-10				
WPJ-00007-0*	Consult Molex	1 Port Streamline Plastic Wallplate - Unloaded	H-3				
WPJ-00008-0*	Consult Molex	2 Port Streamline Plastic Wallplate - Unloaded	H-3				
WPJ-00010-0*	Consult Molex	4 Port Streamline Plastic Wallplate - Unloaded	H-3				
WSS-00001	184000551	1 Port Stainless Steel Streamline Wallplate - Unloaded	H-3				
WSS-00002	184000316	2 Port Stainless Steel Streamline Wallplate - Unloaded	H-3				
WSS-00003	184000552	3 Port Stainless Steel Streamline Wallplate - Unloaded	H-3				
WSS-00004	184000553	4 Port Stainless Steel Streamline Wallplate - Unloaded	H-3				
WSS-00006	184000554	6 Port Stainless Steel Streamline Wallplate - Unloaded	H-3				



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