COMPANY OVERVIEW ❯

Bringing Advanced Physical Layer Lifecycle Management
to Enterprises Worldwide

molex

MOLEX ›
APLLM SOLUTIONS

THE COMPANY

Molex (a subsidiary of Koch Industries) is a globally recognized provider of electronic solutions in a wide range of industries. We have design and manufacturing facilities around the world. With more than 75 years of experience, we lead the industry in R&D investment.

For over 35 years Molex Connected Enterprise solutions, a subsidiary of Molex, has manufactured comprehensive UTP, FTP and Optical Fiber cabling products suitable for the transmission of voice, data and video imaging signals. As one of the original pioneers of structured cabling we have provided state-of-the-art communication solutions to some of the biggest organizations in the world.

PRODUCTS AND SERVICES

Molex commits to delivering comprehensive Advanced Physical Layer Lifecycle Management (APLLM) solutions to clients which support the high performance and secure transmission of their voice and data networks. Our portfolio is comprised of innovative solutions alongside a full complement of UTP, FTP copper and fiber Data Transport Systems (DTS) – both cable and connectivity. Our solutions allow businesses and government organizations to track and manage their physical layer infrastructure investment - including attached assets - from planning through design, procurement, installation, daily moves, adds and changes (MACS) and eventual infrastructure upgrades.

INSTALLATION

Molex solutions are installed by a global network of certified cabling experts and are fully supported by our Technical and Services teams. Our Certified Installers are all members of the Molex Global Business Associate Program, enabling support of multi-national client rollout initiatives. Our installers receive full solutions training and a commitment to continued training with access to our online Customer Support Portal - a unique portal providing partners with continual access to knowledge base forums, up-to-date information, updates and self-help, arming them with the expertise to provide an excellent service to their customers.

GLOBAL WARRANTY

All Molex Connected Enterprise Solutions end-to-end structured cabling is supported by a global 25-year Product, System Performance and Application Assurance Warranty, when installed as a certified system by a Certified Installer.

MIIM™ G3 SOLUTION - ADVANCED PHYSICAL LAYER MANAGEMENT

MIIM G3 is a revolutionary system that enables complete real-time monitoring of the physical link in patching area, while supporting easy communication to SNMP based network management tools. MIIM G3 continuously monitors & maps the physical layer. It facilitates work order management, including scheduling and recording of moves, adds and changes (MACs), SMTP e-mail integration and enables patch guidance for technicians, with LEDs on the patch panels to indicate ports with pending work orders. MIIM G3 gives the IT Manager total visibility of the physical channel resulting in new and innovative applications and more effective management of the physical layer network.

POWERCAT™ 6A SOLUTION - CATEGORY 6A

The demand for 10Gbps ethernet transmissions speed is growing driven by the growth of Data Centers, Wireless Networks and the latest PoE standard. Molex's PowerCat 6A, Category 6A solutions have been developed with the highest performing capabilities in mind and have been designed to provide the alien crosstalk mitigation and insertion loss protection required to support shielded and unshielded systems. The Molex PowerCat 6A end-to-end solution consists of Unshielded and Shielded patch panels, cable, patch cords and work area outlets.

POWERCAT™ 6A UTP SOLUTION - CATEGORY 6A

The Molex PowerCat™ 6A solution has been developed with the highest performing capabilities in mind. With improved data transmission over higher frequencies and enhanced noise suppression. Our solution has been designed to provide alien crosstalk mitigation and is verified to ANSI/TIA 568C.2 and ISO 11801 Category 6A standards. Key components of the system are the PowerCat 6A Jack and PowerCat 6A unshielded cable, offering one of the lowest overall cable diameters in the industry allowing higher cable density and reducing cost. The complete end-to-end solution also includes a modular patch panels and a range of wall outlets.

POWERCAT™ 6 SOLUTION - CATEGORY 6

The Category 6 performance standard is now well established as the structured cabling infrastructure of choice for the support of 1Gbps transmission speed. The PowerCat 6 range of Category 6 Unshielded and Shielded products provide robust cost-effective end-to-end copper solutions, that include cable, patch panels, patch cords and work area outlets.
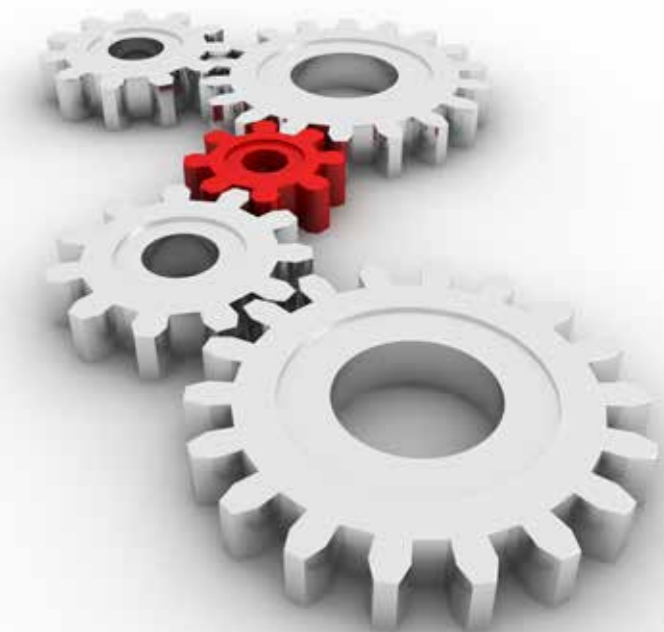
POWERCAT™ SOLUTION - CATEGORY 5E

As one of the pioneers in the structured cabling industry, Molex was one of the first manufacturers to develop an enhanced category 5 Solution (C5e) in 2001. The Molex PowerCat range of Category 5e products continue to provide reliable end-to-end Unshielded and Shielded copper infrastructures globally. The Solution consists of cable, patch panels, patch cords and work area outlets. the PowerCat solution provides a reliable affordable, option for the support of 100MHz bandwidth cabling infrastructure needs.

LIGHTBAND™ SOLUTION - 10G OPTICAL FIBER

Molex offers total fiber solutions ideal for either Backbone or To-The-Desk applications. The Molex fiber product range includes some of the most comprehensive total fiber solutions in the market. The portfolio includes management panels, enclosures, adapter plates, connectors, modules, cable, pre-terminated solutions, adapters, patch cords, splicing equipment, field termination connectors, Xpress termination kits and testers, incorporating a variety of connector technologies such as ST®, Duplex SC. MT-RJ® and LC.

MODLINK™ PLUG & PLAY SOLUTION - PRE-TERMINATED

The Molex ModLink system is a cost-effective, quick and easy Plug and Play system, available in fiber. Suitable for mission critical applications, such as Data Centers and Storage Area Networks, the system provides premium factory-controlled optical performance, enabling flexible system configuration and fast, economical installation. Hydra Cable assemblies are predominantly used for panel to panel or switch to Panel links.

REFERENCE ❯ SITES

CUSTOMERS

Molex has thousands of customers worldwide, including:

Commercial
- Shuzhou Global Port - China
- Amazon Call Centre - South Africa
- Delhi Stock Exchange - India
- Troika Dialog - Russia

Education
- Manchester Universities - UK
- Indian Institute of Technology - India
- Curtin University - Australia
- Belfast Metropolitan College - UK

Finance/Insurance
- Bank of China - China
- Bank Pocztowy - Poland
- Central Bank of Oman - Oman
- Ingosstrakh - Russia

Government
- The Senedd - Wales
- Ministry of Education - New Zealand
- NATO - Italy & Belgium
- Department of Defence - Australia

Healthcare
- Sutter Health - USA
- Mafraq Hospital - UAE
- Vologda City Hospital – Russia
- Ballinc Hospital - Australia

Hospitality & Leisure
- Shanghai World Expo Center - China
- Skilled Park Stadium - Australia
- Ashmolean Museum - UK
- Zhang Jiakoe Museum - China

Manufacturing
- Hewlett Packard - Australia
- Mahindra Vehicle Manufacturers Ltd. - India
- Unilever Italia - Italy
- Nornickel - Russia

Natural Resources
- Total Oil - Uganda
- GMK Norilsky Nickel - Russian
- Kuwait Petroleum Corporation - Kuwait
- Transneft - Russia

Retail
- Lotte Plaza - Russia
- Jingdong 360 - China
- CostCo - Australia
- AutoZone - USA

Services
- National Air Traffic Services (NATS) - UK
- Expeditors - Australia
- Dubai International Airport - UAE
- Aeroflot – Russia

Technology
- SRC Infonet - Slovenia
- Sybase - Netherlands
- Cisco - India
- Hevel Solar - Russia

Telecommunications
- T-Mobile - Czech Republic
- Shanghai Unicom Tower - China
- Zhongjin Datacenter - China
- Telstra - Australia

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