

Government



CONNECTIVITY SOLUTIONS FOR  
**GOVERNMENT** >

Molex Connected Enterprise Solutions

**molex**



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The world is moving online. Increasingly public services are being digitized, from remote meetings and virtual consultations to online accessible public records. Just like the roads and rails that carry people and cargo, the digital infrastructure moving data must be resilient and reliable with the headspace to cope with future growth.

Digital transformation is essential, but governments are under pressure to demonstrate fiscal responsibility. Investments in technology must balance performance and long-term effectiveness with solutions that can adapt as society's needs change.

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## THE CHALLENGE

Physical networks are the critical foundation of digital connectivity. Cabling infrastructure must provide the performance and resilience needed today, without locking organizations into an architecture that cannot adapt. Modularity, scalability and built-in flexibility are the key to keeping pace, while keeping an eye on costs.

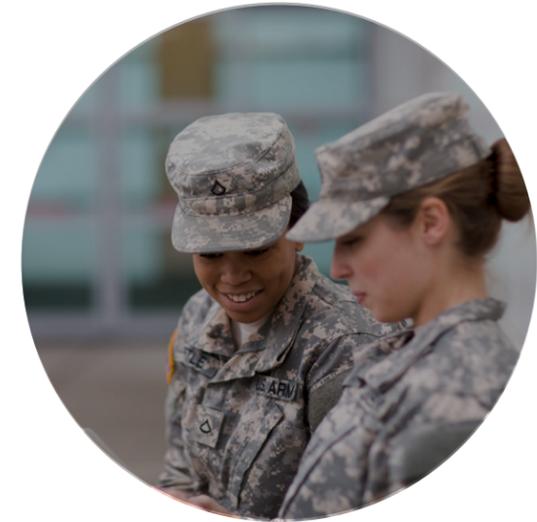
Molex's rethink-reuse-recycle ethos is designed to create layered installations that maximize utilization of existing equipment and streamline future upgrades.



SPORTS & CULTURE



PUBLIC SAFETY



MILITARY



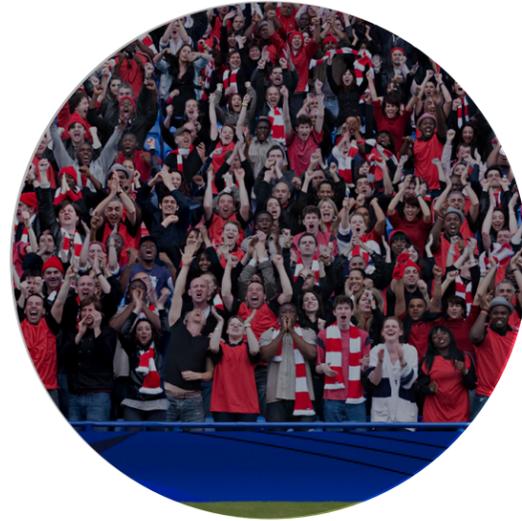
EDUCATION



LOCAL & NATIONAL  
ADMINISTRATION



HEALTH & SOCIAL CARE



## RELIABLE CONNECTIONS FOR CROWDS

Reliable wifi is increasingly an expectation in high traffic public venues such as sports stadiums and museums. The highest performance copper and fiber cable is needed to support wireless access points in a MU-MIMO environment.



## SECURE IOT

Power over Ethernet enables secure connectivity for IoT devices like security cameras, card readers, occupancy sensors and emergency lighting. Safe, reliable and cost effective, PoE can connect a huge range of devices and sensors to automate processes and gather data on your facility.



## AUDIOVISUAL DISPLAYS

Category C6A cabling supports the latest AV over IP applications, enabling you to easily create, arrange and re-arrange multi-screen displays such as public information screens, control rooms and CCTV monitoring.



## KEEP PACE WITH CHANGING DEMANDS

Requirements, expectations and possibilities can quickly change what's needed. Zone cabling architecture enables you to create networks that can be adapted to changing requirements with a minimum of disruption. It's also ideal for IoT / smart building networks, enabling you to easily adjust device positioning.



## SOLUTIONS FOR HARSH ENVIRONMENTS

Networks often need to extend beyond the office, where environmental conditions are harsher. Cameras, antennae, wireless access points and IoT devices may be needed outdoors or in workshops where moisture and dust can be detrimental to network components. Our IP65 and IP67 ranges are designed to ensure uninterrupted data connections, whatever the conditions.



## ANTIMICROBIAL SOLUTIONS

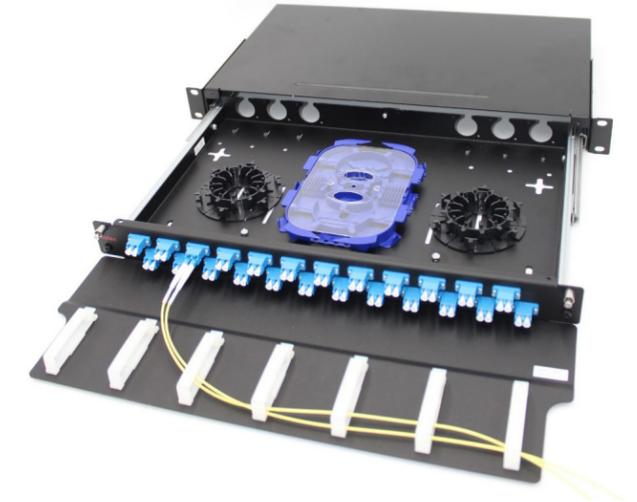
Hygiene is at the top of mind for many facilities, from hospitals and social care to first aid stations and testing centers. Our antimicrobial products have proven, long-term effects against a range of bacteria and microbes, helping assist in the fight against infection.

# PRODUCT RANGE: CABLING

With high performance and excellent reliability, our range of copper and fiber cabling is trusted by public sector organizations worldwide. Robust and durable, our products will maximize your ROI in networks that will continue to perform for years.

## Copper twisted-pair solution

- Shielded and unshielded products to suit different environments
- From Cat5e to Cat6A for the most demanding applications
- Suitable for AVoIP and PoE applications
- Antimicrobial, IP65 and IP67 options



## Fiber optic solution

- Versatile end-to-end solution capable of running the most demanding network protocols
- From campus backbones to fiber-to-the-desk to data centers
- Superior bandwidth, speed and security
- Singlemode and multimode, including OM5

# PRODUCT RANGE: ZONE CABLING

The simple and flexible architecture of zone cabling benefits a wide variety of work and public spaces, and for the deployment of smart building technologies.

## Ease of management

- Fast, easy deployment of new devices via spare outlet capacity in the zone enclosure. Shorter cable runs are cheaper and less disruptive to install and change
- Reduced cable numbers and lengths means an architecture that is easy to manage
- Changes are isolated to localized zones and shorter cabling links, reducing labor and material costs



## Applications

- With easy additions and alterations, zone cabling is the ideal cabling infrastructure for IoT and smart building applications
- Ideal for PoE applications, to minimize degradation and potential for heat buildup

# PRODUCT RANGE: DATA CENTER SOLUTION >

**Molex data center products deliver performance and security for high-density data center applications. High quality, robust manufacture ensures durability and long lifecycle through multiple installations**

## High Performance Communication

- Modular platform ideal for consolidation of data center and structure cabling components
- Inter-operability for speed of replacement
- Shielded platform ideal for data center implementation and horizontal implementation within tertiary education facilities
- Reuse - Rethink - Recycle product design philosophy – lifecycle extension and seamless integration – means less down time in data centers and education facilities
- Hybridized platform allows for quick interchange and spatial efficiency irrespective of Physical Layer topography



# ABOUT MOLEX CONNECTED ENTERPRISE SOLUTIONS >

## ABOUT MOLEX

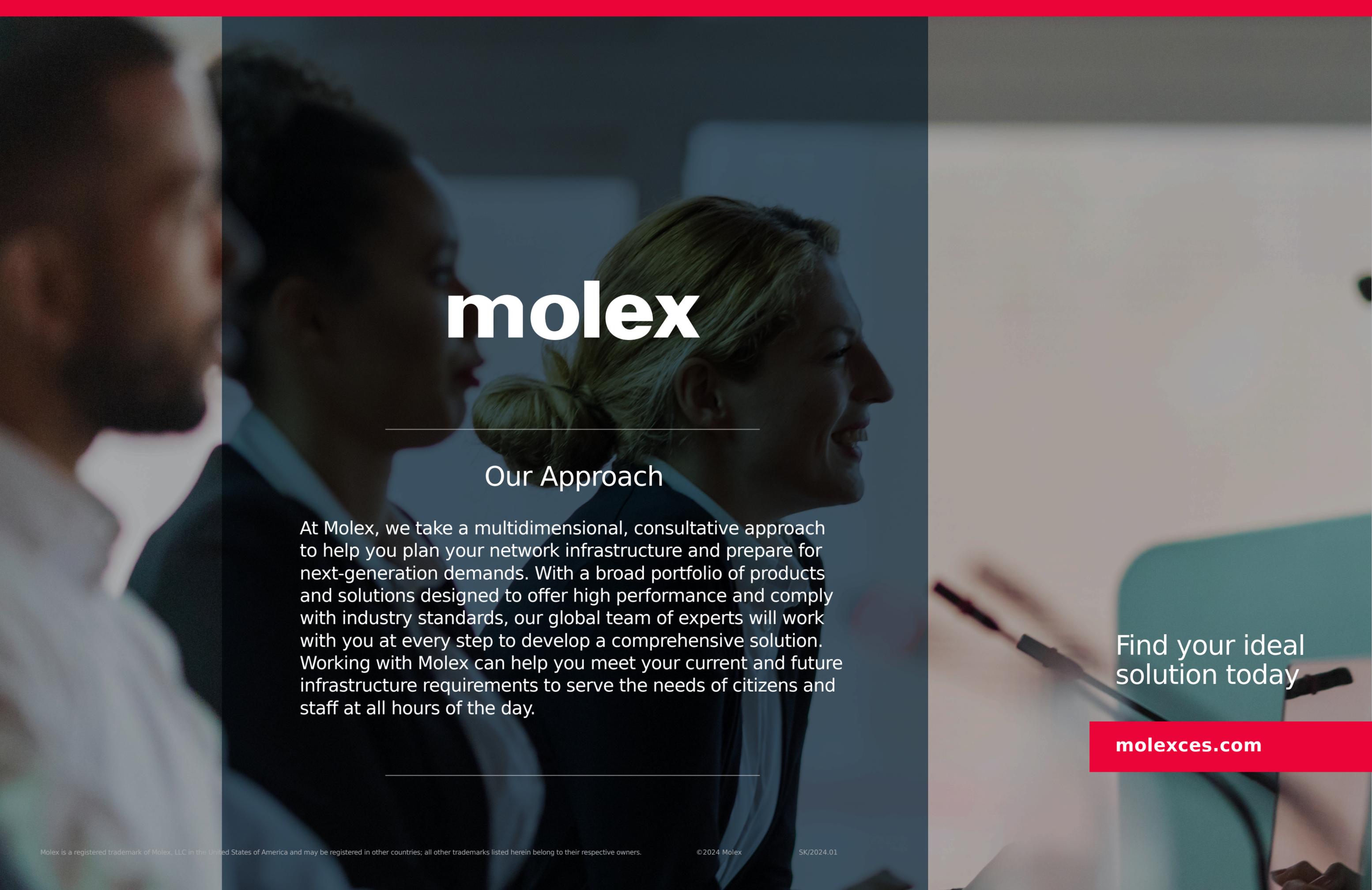
Trusted by leading organizations worldwide, Molex is known for the quality and reliability of our products. Our products are designed to be used and re-used, delivering reliable high performance every time.

## 25 YEAR WARRANTY

We have the utmost confidence in the quality of our products and the workmanship of the installers we choose to work with. Our 25-year system performance and application assurance warranty guarantees the real-world performance of your installation as a whole, not just individual components.

## GLOBAL PRESENCE

Our solutions are supported by a worldwide network of sales teams, technical experts and network professionals so there is always someone local to you. We work with hand-selected, Molex-trained installers and integrators to ensure quality of service at every stage of the project.



# molex

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## Our Approach

At Molex, we take a multidimensional, consultative approach to help you plan your network infrastructure and prepare for next-generation demands. With a broad portfolio of products and solutions designed to offer high performance and comply with industry standards, our global team of experts will work with you at every step to develop a comprehensive solution. Working with Molex can help you meet your current and future infrastructure requirements to serve the needs of citizens and staff at all hours of the day.

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Find your ideal  
solution today

[molexces.com](https://molexces.com)