



CORNING

Multiclassification Mesh Solution

Secure Fiber To The Desk . . . The Way It Should Be

What is it?

The multiclassification mesh solution addresses the complexities associated with deploying secure communications cabling to the workstation. It utilizes the innovative mesh module to consolidate multiple disparate security enclave cables into one cable which can be run to a workstation while maintaining network and classification separation.

What does it do?

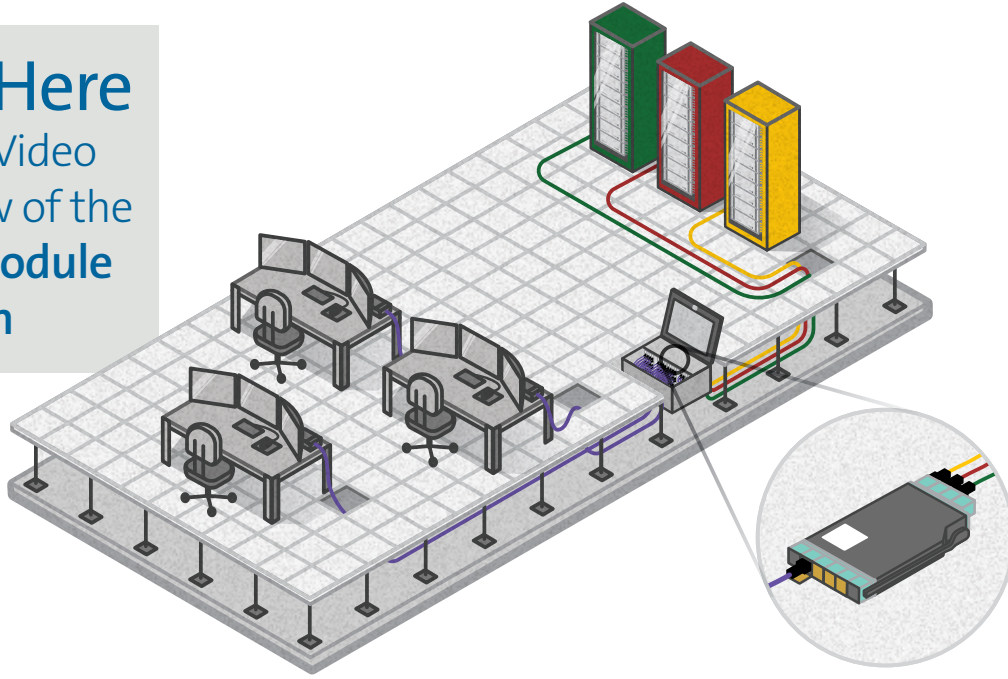
- **Security:** Fiber transmission is much more secure than copper cabling and the preferred transmission medium for classified networks
- **Reduced Risk:** The mesh solution prevents errors during installation and maintenance due to inadvertent cross-connection of classified networks
- **Saves Space:** High-density footprint occupies half the space in server cabinets, telecommunication closets and zone distribution areas

- **Reduces Congestion:** Mesh solution utilizes up to 70% less cabling reducing the need for bulky pathway trays and freeing up valuable conduit space
- **Minimizes Install Costs:** In addition to fewer overall materials, the preterminated mesh solution reduces expensive cleared labor by up to 75%

Why was it created?

Security of our nation's sensitive information is vital to the many missions ongoing around the globe. The cabling infrastructure to support these networks can create a significant vulnerability. In addition to the cabling itself, challenging design, slow deployment, and complicated maintenance introduce additional risks and costs to the mission. Enter the multiclassification mesh solution!

[Click Here](#)
to See a Video
Overview of the
Mesh Module
in Action



What applications benefit from the mesh module?

As the only manufacturer who innovates and designs all components from the TR to the workstation, we designed this product with our critical mission partners in mind. The mesh solution is ideal in any application requiring the distribution of multiple information security enclaves to users or devices. Whether LAN, data center, SCIF, or fiber-to-the-desk deployment, the mesh module saves time and money creating space in your server rooms, closets, raised floor, schedule, and budget.

How does it work?

The 32-fiber mesh module takes 2 fibers from four specified network classification input trunk cables and transitions them to one output trunk cable. This output trunk cable then distributes the four specified networks to end users.

In essence, this solution reduces your cabling to the user by 75% while alleviating potential errors and information security risk.

What are the most valued features and benefits?

Features	Benefits
Small form-factor components	Saves zone and rack space
Minimized cable and hardware out to the workstation	Saves labor and material costs
Reduced cable diameter	Simplified MAC work
Blister packs as a replacement of boxes	Reduced waste and on-site clean-up efforts
Preterminated components	Increased network performance
Parallel transmission	Enables seamless migration to 40-100G

CORNING

Drive the risk and cost out of your secured fiber infrastructure by **contacting Corning today**

Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC 28216 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications of Corning Optical Communications products without prior notification. A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified. © 2021 Corning Optical Communications. All rights reserved. LAN-2821-AEN / February 2021