CORNING

Corning Capabilities

Military Connectivity Systems

When you must ensure data security and downtime is simply not an option, you can count on Corning to deliver. We leverage more than 165 years of experience and expertise to support the tactical needs of the advanced communications systems used by our armed forces deployed throughout the world.

Uncompromising quality you can count on

As an approved supplier to most of the major systems integrators, as well as directly to the U.S. military and contractors, Corning has been at the forefront of interconnect design, from the first tactical connectors to the latest technologies. Our connectors and cable assemblies have been designed with your priorities in mind – delivering reliability, above all else, to ensure no loss of data or compromises in safety.

Applications currently employing Corning's military tactical products include:

- Deployable military connectivity systems
- Tactical fiber optic networks
- Emergency restoration systems
- Video/data transmission
- Homeland security and surveillance

Even in the harshest environments, you can depend on Corning tactical products.

Corning Military Tactical Products

Increase throughput and reliability with proven Corning technology

Connectors and Cable Assemblies

Key Features

- Standard hermaphroditic, or genderless, interface
- Field maintainable
- Custom deployment reels for plug-to-plug cable assemblies

Industry-Leading Products

- TFOCA-GenX® connectors (MIL-PRF-83526/16 &/17)
- Multimode and single-mode connectors and cable assemblies
- InfiniBeam® expanded-beam connectors and cable assemblies (MIL-PRF-83526/20 &/21)

TFOCA GenX

Cable Support and Design Technologies

- Corning engineered solutions for the most challenging deployment scenarios
- More bandwidth and distance, low noise, and loss with bend-insensitive and high-tolerance designs

Industry-Leading Products and Custom Designs

- Flexible splice enclosure (NSN: 6060-01-559-9713): Reusable flexible splice enclosure accommodates up to eight fiber splices. Restores a cable's full tensile strength, but is flexible enough to coil around a field-deployable reel.
  - Minimum bend radius: 60 mm
  - Corrosion resistant: 500-hour salt spray
  - Operating temperature: -54°C to 85°C
  - Watertight: 10 m of water, up to 24 hours
- Molded T - Series of custom splice technologies and products to ensure maximum design flexibility

Flexible Splice Enclosure

Molded T

Corning Military Tactical Products

Military Tactical Fiber Communications Maintenance Support and Kits

Field-Termination/Maintenance Kits

Corning field-termination kits have been developed to support troubleshooting, testing, maintenance, and field repair of Corning's fiber optic connector and cable assembly solutions. Tactical grade tool and support kits for the military fiber maintenance professional battle-tested, rugged, and complete for all tactical situations.

- Includes tools and consumables for:
  - TFOCA GenX® connectors
  - MFOCA
  - Ruggedized-ST®
  - TACLight® cable assemblies
  - COTS connectors FC, SC, and LC
- Upgrade options:
  - Fiber optic probe microscopes
  - Field-polishing machines
  - Optical test equipment
- Custom kits available for specialized connector or operations requirements

Maintenance Kit

Harsh Environment Reel Assemblies

- Ideal for semipermanent installation and/or cable assemblies requiring vehicular deployment
- Available in a variety of base materials—steel, aluminum, and stainless steel. Surfaces are CARC, powder coated, or anodized. Available in colors of black, green, tan, or natural (SS).

Self-Supporting Reels

InfiniBeam® Plug-to-Plug on Backpack Cable Reel

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To learn more about our products, contact us at 203-729-2572 or mil-aero_connectivity@corning.com.

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