



CORNING

## Corning Capabilities Military Tactical Market

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, its subsidiaries, and contractors, Corning has been at the forefront of interconnect design, from the first tactical connectors to the new generation of connectors. 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. Even in the harshest environments, you can depend on Corning tactical products.

**Applications currently  
employing Corning's  
military tactical products  
include:**

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



TFOCA GenX

## Military Tactical Products:

- **TFOCA GenX™** (MIL-PRF-83526/16 & /17)
  - Multimode and single-mode connectors and cable assemblies
  - Successfully integrated into many of the new communication systems used in tactical environments
- **InfiniBeam™** (MIL-PRF-83526/20 & /21)
  - Expanded beam connectors and cable assemblies
- **Flexible Splice Enclosures** for emergency restoration



InfiniBeam™ Plug and Receptacles

## Ruggedized Self-Supporting Reel

Ideal for semi-permanent installation and/or cable assemblies requiring vehicular deployment

- Available in a variety of base materials and finishes – steel, aluminum, and stainless steel
- CARC, powder coat, anodized
- Black, green, tan, and natural (SS)



Self-Supporting Reels

### Key features of Corning connectors and cable assemblies:

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





## Backpack with Reel

The backpack frame is in anodized green aluminum, equipped with brake and hand crank, and delivers results with features including:

- Removable triple-flange reel with retractable axle for ease of storage
- Storage space for connectors between second and third flange
- Accessory pouch and padded shoulder and waist straps
- Protective covers for cable and stowed connectors



InfiniBeam™ Plug-to-Plug on Backpack Cable Reel

## Flexible Splice Enclosure

Reusable flexible splice enclosure accommodates up to eight fiber splices. Its design and construction restore a cable's full tensile strength, but it is still 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



Flexible Splice Enclosure



## 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. Procedures and training associated with any of the operations for which these kits are designed are also available.

- 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



To learn more about our products, contact us at **203-729-2572**  
or [mil-aero\\_connectivity@corning.com](mailto:mil-aero_connectivity@corning.com).

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Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA  
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/opcomm](http://www.corning.com/opcomm)

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