



Corning is a leading manufacturer of TFOCA Connector products including 1st, 2nd, and 3rd generation models with class leading small form factor adapters to permit migration from one version to the next. In addition, Corning offers customized solutions to suit many applications in military and harsh environment industrial markets. In the spirit of our focus on customer service excellence we can customize any type in a short lead time, often less than 6-8 weeks.

- Universal 90 and 45-degree back-shell with integral user clocking angle feature
- 45-degree receptacle mounting adapter to allow a waterfall cable management scheme
- Several cable strain relief options including – spiral and domed cable bend restrictor with compression cable seal, braided wire all metal bend relief, rubber molded boot



- Panelmaster receptacle that extends the installation compatibility of the TFOCA connector to wide range of panel thicknesses without comprising sealing capability
- Several cable strain relief options to suit all types of armored and non-armored cables
- Spliceable connector solutions to allow easy field installation where a clean environment for standard epoxy termination is not available

As with all Corning products these options are backed by careful attention to detail and award-winning customer service. Please contact us to discuss any alternative configurations that will make your interconnect solution implementation easier and therefore often yield economic benefits



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TFOCA GenX™ 90° Plug Connector



Corning's TFOCA GenX™ 90° Plug Connector is designed for mounting applications where the installer has limited workspace, or the connection needs to be re-routed close to equipment. One major advantage of this connector is its short length of 3.20" making it ideal for cabinet or equipment mounted fiber connections.

- Cabinet mounted communication systems
- Deployable military tactical systems
- Harsh environments video/data transmission

- Outdoor fiber optic connections
- Homeland security and surveillance
- Deployable broadcast networks
- Saves 3” over straight version

Features and Benefits

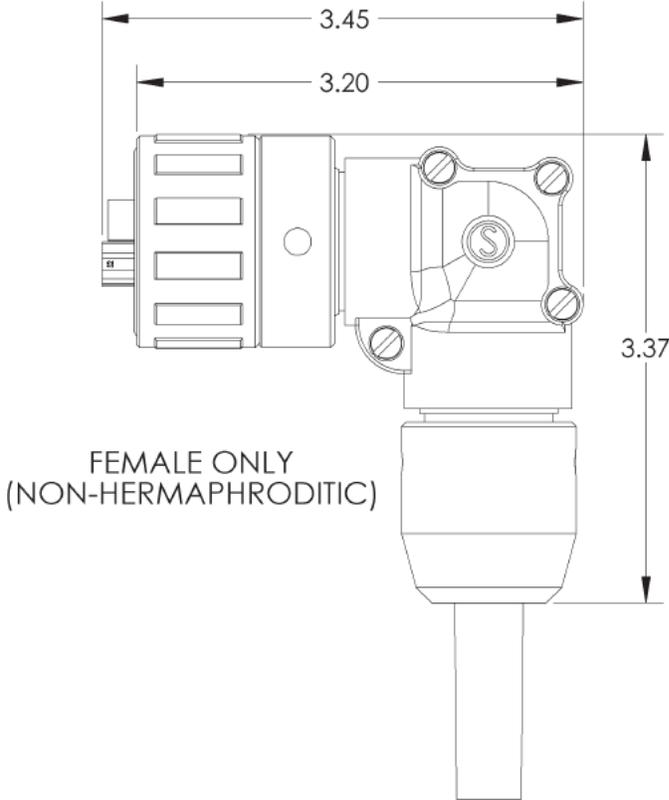
Compatible with legacy systems
Field demountable front inserts for improved maintainability
Supports both single-mode and multimode fiber types in the same connector without part sub-component substitution
Less than 3.30” length without dust caps
PC polish on the zirconia ferrules
TFOCA GenXTM 90° Connector is intermateable to the soon to be released MIL-PRF-83526/16 specification
Captured split alignment sleeves for enhanced IL performance
Zinc/Nickel plating, other platings and materials available upon request
ISO 9001 & AS9100 compliant

Technical and Performance Characteristics

Optical Loss	9/125: 0.75 dBmax, 0.35 dBtyp 62.5/125: 0.75 dBmax, 0.14 dBtyp
Return Loss	>30 dB MMF, >40 dB SMF with PC polish
Mating Durability	2000 cycles per EIA-455-21
Vibration	10 g’s per EIA-455-11
Physical Shock	per EIA-455-14, test condition A
Thermal Shock	-62°C to +85°C per EIA-455-71, cond. B
Temperature Life	250 hours at 85°C per EIA-455-4
Corrosion Resistance	EIA-455-16, test condition C
Humidity	10 cycles per EIA-455-5
Fluid Immersion	1 meter, per EIA-455-12

Crush Resistance	450 lbs, per EIA-455-26
Cable Retention	400 lbs, per EIA-455-6
Cable Seal Flexing	Per EIA-455-1
Impact	EIA-455-2

TFOCA GenX™ 90° Plug Connector Dimensions





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