

One of the original styles of fiber optic connectors, the Biconic fiber optic connector is still in use today mostly for military applications. Our Biconic connector utilizes a screw type, spring loaded connection and features a cone-shaped polymer ferrule that helps to align the optical fibers at the connection interface.

The Biconic termini was adapted to the military TFOCA connector system in the early 1980's. These genderless termini are currently being phased out of legacy systems but continue to be used in TFOCA tactical fiber optic assemblies used by the United States Army and Marine Corps.



Specifications:

Insertion Loss (typical)	0.5dB
MIL Reference (termini)	Designed IAW MIL-C-83526/12-02 & MIL-C-83526/13-02
Material - Body	Precision molded
Material - Ferrule	Thermoplastic / aluminum - blue anodized
Fiber Types	Singlemode / Multimode
Hole Sizes	126 micron / 142 micron
Concentricity Error	<1.5 micron
Angular Misalignment	+/- 0.5°
Temperature Range	-40°C to +70°C

Ordering Information:

CB80-005	Biconic Connector Kit, Singlemode, 126 micron
CB80-040	Biconic Connector Kit, Multimode, 127 micron
CB80-060	Biconic Connector Kit, Multimode, 142 micron
CCS-080001-1	Biconic Termini, Environmental Resisting, 126 micron
CCS-080002-1	Biconic Termini, Environmental Resisting, 142 micron
CCS-080H01	Hardware for Termini (Spring, C-Clips, Washers, Crimp Sleeve)