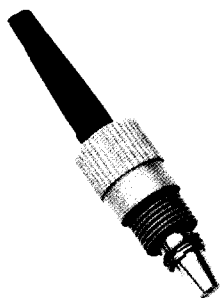
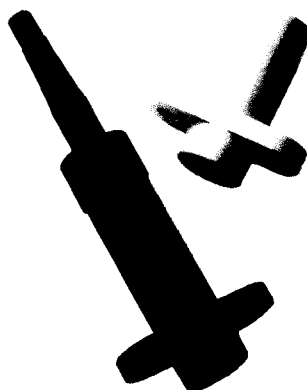


Biconic Connector Systems

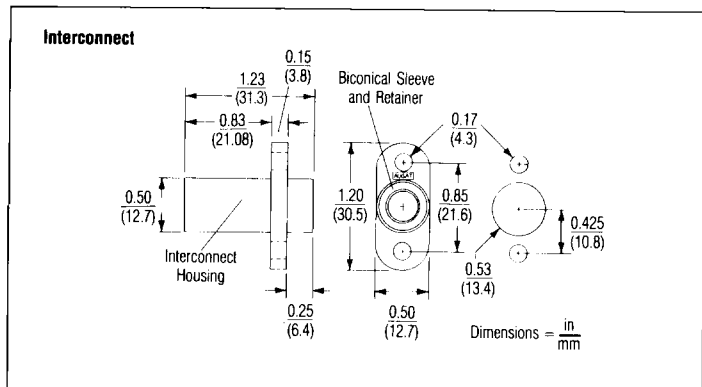
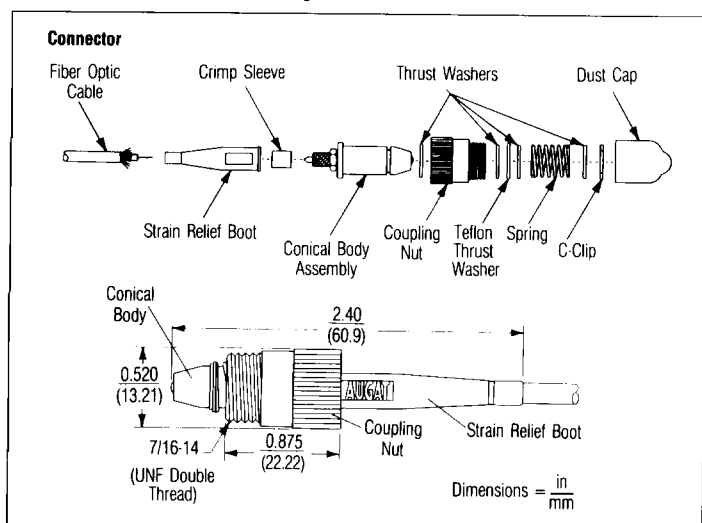


Biconic Connectors are available in both single mode and multi-mode styles. Both offer low loss, highly repeatable connections and an industry standard design which is fully interchangeable with other biconic connectors. The solid conical body is made of nickel silver to provide an inherently rugged design. Connectors may be supplied as part of a pre-terminated cable assembly or packaged for field termination. An easy-to-use field termination kit is available.



Biconic Interconnects assure proper alignment of biconic connectors and are available in both single mode and multimode styles. The nickel silver alignment bushing assures a high number of mating cycles before performance degradation.

Dimensional/Assembly Information



Specifications

Single Mode

Multimode

Insertion loss	0.4 dB typ. < 1.0 dB max.	0.6 dB typ. < 1.0 dB max.
Repeatability	0.2 dB typ.	0.1 dB typ.
Durability	> 500 matings within specifications	> 500 matings within specifications
Reflectivity	-27 dB typ.	N/A
Operating temperature	-40° C to + 85° C	-45° C to + 100° C
Temperature coefficient	0.005 dB/° C (typ.)	0.001 dB/° C (typ.)
Cable retention	20 lb. min. tensile load	20 lb. min. tensile load
Mating mechanism	Dry, contacting	Dry, non-contacting 20 µm typ. end separation

Materials:

Conical body (ferrule), Nickel Silver NM2
Coupling nut: Prevx®
Strain relief boot: Polyurethane
Interconnect housing: Prevx®
Conical sleeve: Nickel Silver NM2

Ordering Information

Connector (assembled)

Part Number: 64101—101—0

Includes:
connector assembly
crimp sleeve
strain relief boot

1 = for 125 µm cladding, single mode
4 = for 125 µm cladding, multimode
5 = for 140 µm cladding, multimode

Interconnect

Part Number: 63100—80__—01

4 = single mode (yellow housing)
5 = multimode (black housing)