

DR Beryllium Copper FiberGrip® SMA

The 905 SMA Damage Resistant Beryllium Copper FiberGrip® Connector is a simple to use, epoxyless, interconnect solution for markets where High-Power Delivery is required.

This two-piece connector is designed as a safe and cost effective alternative that allows for efficient ease of use during termination. Amphenol's 905 SMA Damage Resistant Beryllium Copper FiberGrip® Connector is designed for high power applications and utilizes air gap ferrule technology. The air gap ferrule technology eliminates energy absorbing materials near the fiber end epoxies, connector materials and coatings.

The connector ferrules is made from Beryllium Copper allowing the ferrule to act as a heat sink, pulling the heat quickly away from the fiber, when used. Damage threshold on these types of connectors will vary based on launch conditions and operational wavelength. The front body of the connector is a Beryllium Copper ferrule that is designed with a custom, high-tolerance, application-specific hole diameter.



Features and Benefits

- Quick and Safe Epoxyless Termination
- Designed for use with High Power Medical Laser Delivery Systems
- Can withstand Autoclave and ETO Sterilization process
- Custom Optical Fiber Hole Sizes and Ferrule Tip configurations
- Strain relief boots and dust caps available with medical grade material
- Compatible with RFID Integrated Technology

Specifications

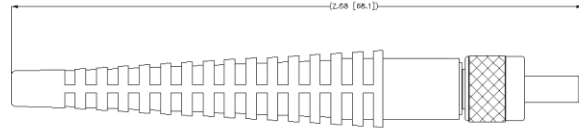
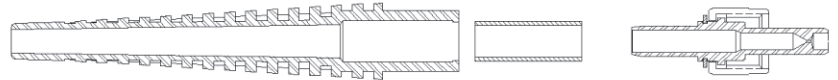
- Tolerance for Beryllium Copper Ferrule Holes: 125um to 149um: +5/-0um
- Tolerance for Beryllium Copper Ferrule Holes: 150um to 249um: +10/-0um
- Tolerance for Beryllium Copper Ferrule Holes: 250um to 1499um: +15/-0um
- Tolerance for Beryllium Copper Ferrule Holes: 1500um to 2300um: +25/-0um
- Retention value is dependent upon the specific size and type of the optical fiber
- Retention can reach values of 20 lb. and higher - Amphenol will determine retention values

Applications

- Medical Specialty
- Data Communications
- Industrial
- Military

Industry Compliance

- RoHS compliant



Ordering Information

Part Number	Description
905-20270-0400L	CONN, SMA, 270/440μm, FG, BERY COPPER DAM RES
905-20630-0950L	CONN, SMA, 630/750μm, FG, BERY COPPER DAM RES
905-21050-1400L	CONN, SMA, 1050/1400μm, FG, BERY COPPER DAM RES

*Please call customer service for additional configurations