



TECHNICAL DATA SHEET

SMA500[™] Laser Cables



Description:

- The SMA500[™] connector was introduced by LOSCH in 2004 as an improvement to the CuSMA[™] connector. The internal design and materials are more closely related to the LD-80[™] connector, to improve thermal transfer and heat dissipation. With higher diode powers, fiber core overfilling, and output end back-reflections, the SMA500[™] connector has allowed laser manufacturers to increase power thru SMA type connectors.
- Fluorine doped silica core fiber in 0.22 NA is standard
- The flexible steel armored cable commonly referred to as squarelock is available in outer diameters of 6 or 7 mm, although both smaller and larger diameters are available. Flexible vinyl coatings adding about 1mm to the diameter are available in grayblue, black, and custom colors. If cables are to be subjected to low vacuum applications, or are to be AR (anti-reflective) coated, bare cable is recommended.

Features:

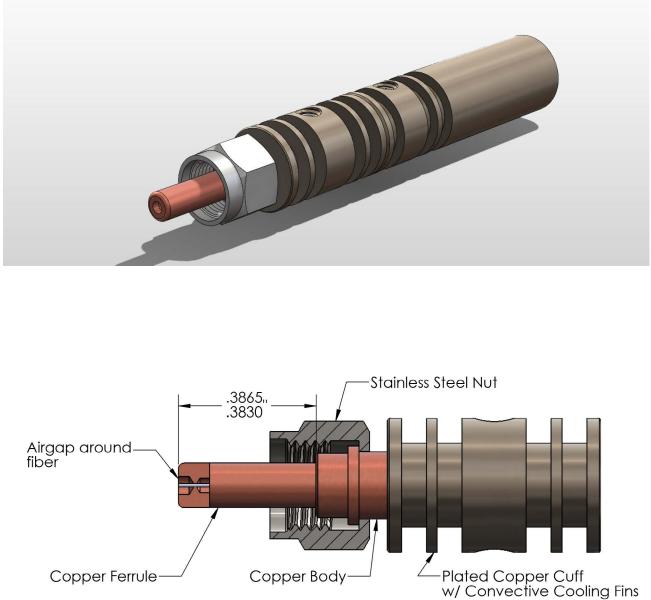
- Fiber centration <5 microns C-C
- Custom-manufactured in all core sizes and configurations
- Any length from 1 to 50 meters
- Variations availabe including Keyed SMA angle polishes to 8 ° as well as other parts for specific requirements
- Used with LMA & polarized fiber

LEONI Fiber Optics, Inc. (757) 258-4805 www.leonifo.com contact@leonifo.com Creator: C. Hall LFSMA rev 0 Appr. auth.:



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