

## 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 gray-blue, 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 available including Keyed SMA angle polishes to 8 ° as well as other parts for specific requirements
- Used with LMA & polarized fiber

