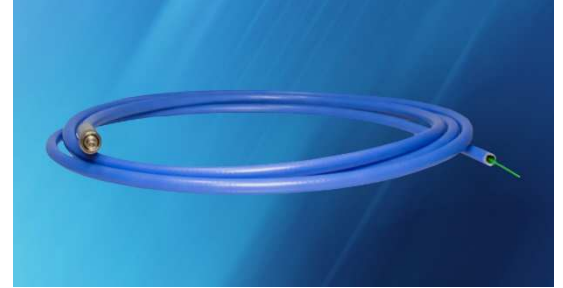


Lightel supplies cable assemblies equipped with SMA connectors for medium power laser delivery in medical and industrial applications. These connectors are terminated with a free-standing, epoxyless fiber tip which prevents the ferrule from melting or the possible burning of epoxy. Also, the copper ferrule provides better heat dissipation than those found in traditional multimode connectors. In addition, the connector incorporates sapphire protection whereby a sapphire disc is inserted between the copper ferrule and the fiber tip to protect the ferrule from energy accumulation and return. Wavelengths from 400nm-2200nm and fiber sizes from 100µm-1000µm are supported.



Steel-armored protection tubing is used to ensure laser safety and all assemblies are offered in standard or customer specified lengths and colors. Angle polish, AR coatings, integral cladding mode strippers, water or air cooling, and other custom options are also available by request.

Features

- Copper ferrule provides excellent heat dissipation
- Good coupling, high efficiency
- Free-standing, epoxy less fiber tip
- Sapphire protection of copper ferrule
- Supports large variety of fiber types: 100µm-1000µm fiber
- Wide supported wavelength range: 400nm-2200nm

➔ Specifications

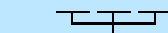
Parameter	Specification
Core/Cladding Ratios	100/140, 200/240, 400/480, 600/660, 800/880µm
Fiber Index	Step
Numerical Aperture	0.22
Transmission Band	400-2200nm
Armor Sheath Diameter	8.0mm
Temperature Range	-40° to +85°C

➔ Ordering Information

S M A



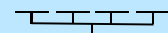
Core
01: 100µm
02: 200µm
04: 400µm
06: 600µm
08: 800µm
10: 1000µm



Power Handling (Watts)*
 Specify
 (e.g. 100)



Cable Color
BL: Blue
GR: Green
RD: Red
OR: Orange
WH: White
GR: Gray
UN: Uncoated



Armor Length (cm)
 Specify
 (e.g. 0100)



Fiber Pigtail (cm)
 Specify
 (e.g. 030)

*Dependent on core size and launch conditions