

# Laser Pigtails

## Short Wavelength, MID-IR and High Power Lasers

Laser Pigtails are designed for permanent coupling to a laser which makes their quality crucial. Typically, one side is a custom ferrule or capillary that is coupled to a free space laser beam while the other end has a fiber optic connector. On many pigtails, there is a feedthrough which secures the external cabling to the laser housing. Behind the feedthrough, 900um OD tubing is used for flexibility inside the chassis. Coastal Connections has standard feedthroughs for Laser Pigtails.

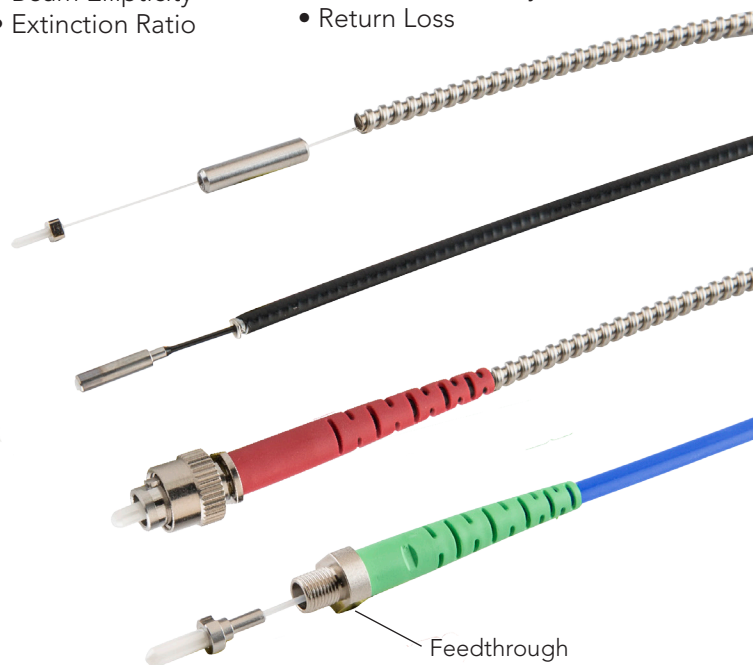
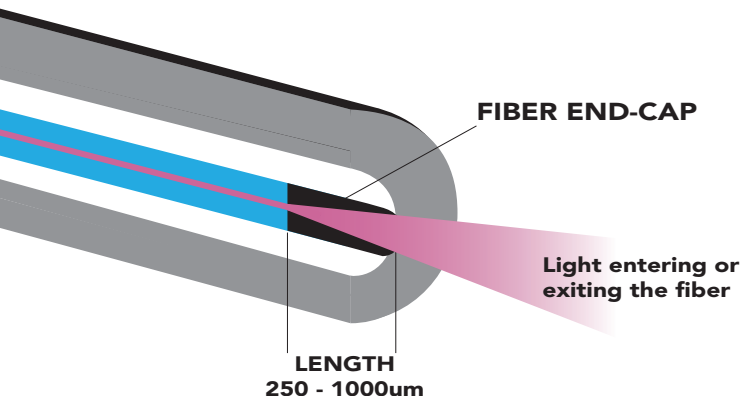
### Unique Pigtails:

- Long Life, 405nm, Polarization Maintaining Pigtails
- Steel Jacketed, High Power Pigtails for Aircraft
- End-Capped LMA Fiber Pigtails
- MID-IR Laser Pigtails

### Measurement Available:

- Numerical Aperture
- Beam Ellipticity
- Extinction Ratio
- Polish Quality
- Endface Geometry
- Return Loss

### PM, SM or MM FIBER



### Connectors

Other connectors available

Connectors	E-2000	FC QFC	LC	MU	SC	SMA	ST	1.25mm Ferrule	1.8mm Capillary	2.5mm Ferrule	3.2mm Ferrule
Polish	APC, UPC	APC, UPC Angle Flat	APC, UPC	APC, UPC	APC, UPC	UPC	UPC	APC, UPC	APC, UPC	APC, UPC	APC, UPC

### Fibers

Other fibers available

SM Fibers	320	405		460	630	780	980	1060	1300	1550	2000	LMA
PM Fibers	350	400	RGB	480	630	850	980	1060	1300	1550	1950	LMA
MM Fibers	25 SI	50 GI, SI	62.5 GI	100 GI, SI	105 SI	150 SI	200um to 1mm SI, 0.22NA (0.37NA Available)				MID-IR	

### Cables / Tubing

Other cables available

OD	900um	1.6mm	2mm	3mm	3.8mm	5mm	5.8mm	7mm
Jacket Material	Hytrel PVC PVDF PTFE	PVC	PVC PVDF Polyurethane	PVC PVDF Polyurethane Stainless	Stainless	Stainless Plastic	Stainless w/ Silicone	Stainless

Coastal Connections custom engineers and builds Laser Pigtails to your demanding specifications.