

## Defense Cables

### Space, MID-IR, High Power, PDV Probes

Coastal Connections supports many major defense contractors and government research labs. Our expertise is sought after due to our ability to terminate unique optical fibers and their ability to survive in demanding environments. As an ITAR registered company, we control the import and export of defense related articles and information.

#### Unique Products:

- End-Capped PM, PCF, and LMA Fibers
- Multichannel Vacuum Feedthroughs
- Multichannel Breakout cables
- Steel Jacketed Cables
- Mid IR Assemblies
- High Power Cables
- Space Cables
- PDV Probes

#### Capabilities:

Temperature Range: -200°C to 200°C  
Max Continuous Power: 150 Watts  
Max Pulse Power: 2,000 Watts  
Length Matching: +/-2mm  
Fiber Pulling: 100 Meters  
Vacuum: 1X10<sup>-6</sup> Torr  
Vibration: 46.3G  
Shock: 1,000G



#### Connectors

Other connectors available

Type	FC / QFC	IP-68 Duplex LC	SMA	Test Probes: 1.25, 1.6, 2.0mm
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#### Fibers

Other fibers available

Fibers	320	405		460	630	780	980	1060	1300	1550	2000	LMA
SM Fibers												
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	PVC Stainless LSZH	Stainless Plastic	Stainless w/ Silicone	Stainless

Coastal Connections custom engineers and builds defense cables to your demanding specifications