

Defense Cables

Space, MID-IR, High Power, PDV Probes

Overview

Impact ES—Ventura 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.

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 ⁻⁶ 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

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 SI	100 GI, SI	105 SI	150 SI	200µm to 1mm SI, 0.22NA (0.37NA Avail.)				MID-IR	

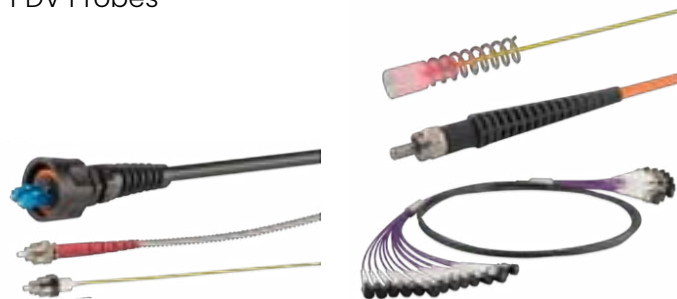
Cables/Tubing

Other cables available

OD	900µm	1.6mm	2mm	3mm
Jacket Material	Hytrel PVC PVDF PTFE	PVC	PVC PVDF Polyurethane	PVC PVDF Polyurethane Stainless

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





Industries We Serve

At Impact Electronic Solutions, we offer cutting-edge prototype and full-turnkey production services, providing unparalleled innovation and seamless solutions to meet your needs.

Our expertise spans highly regulated and mission-critical environments. We deliver complex electronic, fiber optic, and electromechanical products with exceptional quality and reliability. From product development to full-scale manufacturing, we prioritize customer-centric solutions and support groundbreaking innovations.

With extensive experience, we ensure success across diverse industries by consistently meeting rigorous standards and exceeding expectations.

About Us

We are a dynamic team dedicated to delivering innovative electronic design and manufacturing services that consistently outperform industry standards.

Our headquarters are in the Pacific Northwest, and the Impact ES network spans five key locations across the U.S.:

- Clearwater, Florida
- Cranston, Rhode Island
- Grants Pass, Oregon
- Vancouver, Washington
- Ventura, California

Our facilities have been recognized for excellence by numerous corporations, organizations, and publications, showcasing our commitment to quality, precision, and customer satisfaction nationwide.

Fiber Optic Cables and Assemblies Certifications



NASA 8739.5

We design and build products that matter.

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