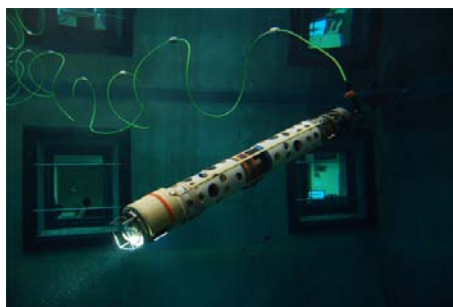


STFOC
Optical Cable

Non-Kink
Crush Proof



STFOC

Linden's fiber optic cables are available for a variety of underwater uses from munitions tethers to ROV controls to littoral water sensing. Using our patented cable jacket construction designed to protect the fiber in the harsh subsea environment, our cables are compact and rugged; flexible and strong. Custom configurations available.

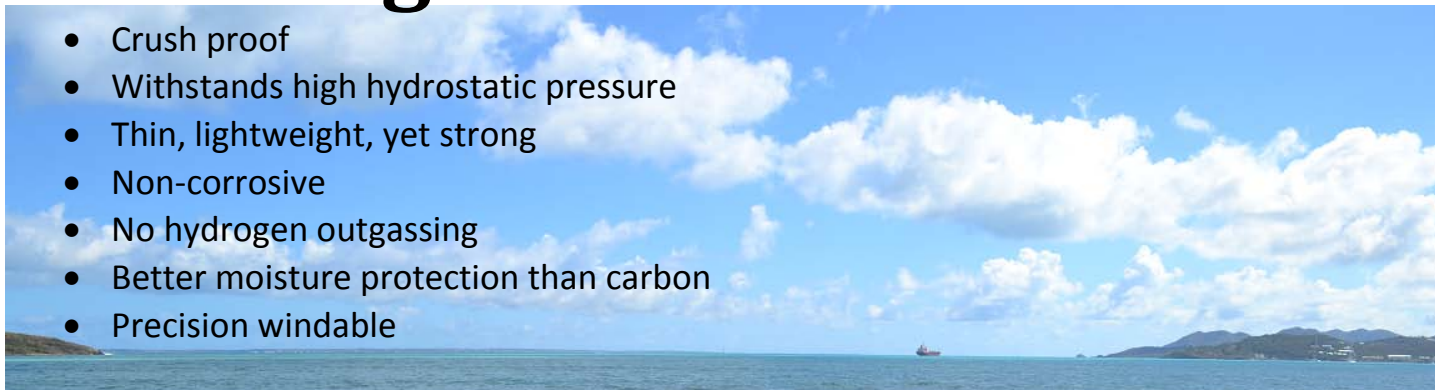


Features

- Patented Liquid Crystal Polymer (LCP) jacketing (US Patent No. 7,570,853)
- 100% thermoplastic jacket eliminates need for metal & Kevlar
- Non-KinkTM design prevents hocking
- Lightweight – LCP density: 1.4g/cm^3 compared to inconel 625: 8.4g/cm^3
- Long continuous lengths >25km
- Hermetic coating protects fiber from moisture/hydrogen/helium
- Tight diameter tolerance
- Abrasion resistant

Advantages

- Crush proof
- Withstands high hydrostatic pressure
- Thin, lightweight, yet strong
- Non-corrosive
- No hydrogen outgassing
- Better moisture protection than carbon
- Precision windable



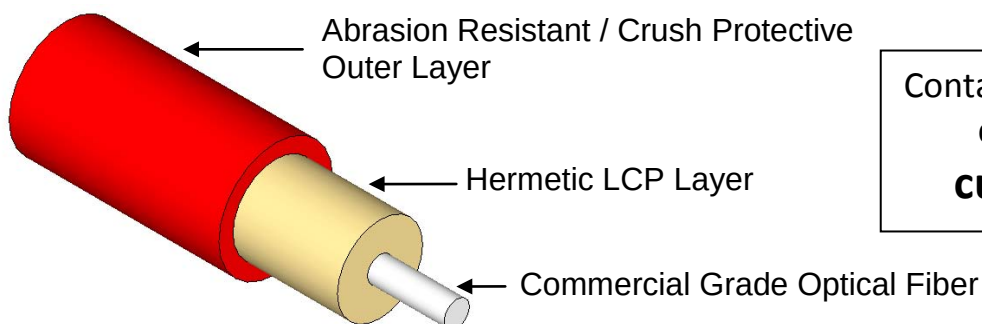


Singlemode

Part No. / Spec No.	Fiber Type	OD	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
Precision Windable						
1-H-A-5.5-21-B-1.5-24 LINDEN-SPE-7053	Singlemode	600um	0.45	0.35	40	0.4
1-3-A-8.5-27-B-1.5-30 LINDEN-SPE-7034	Singlemode	762um	0.45	0.35	50	0.6
Crush Proof						
1-H-A-12.5-35-Q-15-65 LINDEN-SPE-7043	Singlemode	1.65mm	0.45	0.35	70	2.6
1-H-A-12.5-35-Q-22-79 LINDEN-SPE-7043	Singlemode	2.0mm	0.45	0.35	70	3.7
Multi-Channel						
3-1-A-8.5-35-B-1.5-38 (3-ch) LINDEN-SPE-7035	Singlemode	970um	0.45	0.35	50	0.9
3-3-A-8.5-35-Q-24.5-87 (3-ch) LINDEN-SPE-7057	Singlemode	2.2mm	0.45	0.35	70	3.9
7-3-A-11.5-55-G-35-125 (7-ch) LINDEN-SPE-7039	Singlemode	3.2mm	0.45	0.35	60	9.0

Multimode

Part No. / Spec No.	Fiber Type	OD	Attenuation @ 850nm (dB/km)	Attenuation @ 1310nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
Precision Windable						
1-F-A-5.5-21-B-1.5-24 LINDEN-SPE-7069	Multimode 50um	600um	2.5	3.5	40	0.4
1-F-A-8.5-27-B-1.5-30 LINDEN-SPE-7070	Multimode 50um	760um	2.5	3.5	50	0.6
Crush Proof						
1-I-A-12.5-35-Q-15-65 LINDEN-SPE-7046	Multimode 62.5um	1.65mm	2.5	3.5	70	2.6
1-I-A-12.5-35-Q-22-79 LINDEN-SPE-7046	Multimode 62.5um	2.0mm	2.5	3.5	70	3.7
Multi-Channel						
3-F-A-8.5-35-B-1.5-38 (3-ch) LINDEN-SPE-7071	Multimode 50um	970um	2.5	3.5	50	0.9
7-I-A-11.5-55-G-35-125 (7-ch) LINDEN-SPE-7072	Multimode 62.5um	3.2mm	2.5	3.5	60	9.0



Contact Linden Photonics for more
detailed specifications or
custom requirements



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