

A tropical sunset scene with palm trees and a green arrow graphic. The background shows a sunset over the ocean with palm trees in the foreground. A green arrow graphic points from the bottom left towards the top right, passing through the text.

Buoyant Cable

Floats

Strong

Neutrally Buoyant



Linden Photonics, Inc.

Optical μ packaging



Buoyant Cable

Linden's fiber optic cables are available for a variety of underwater uses from munitions tethers to ROV controls to littoral water sensing.

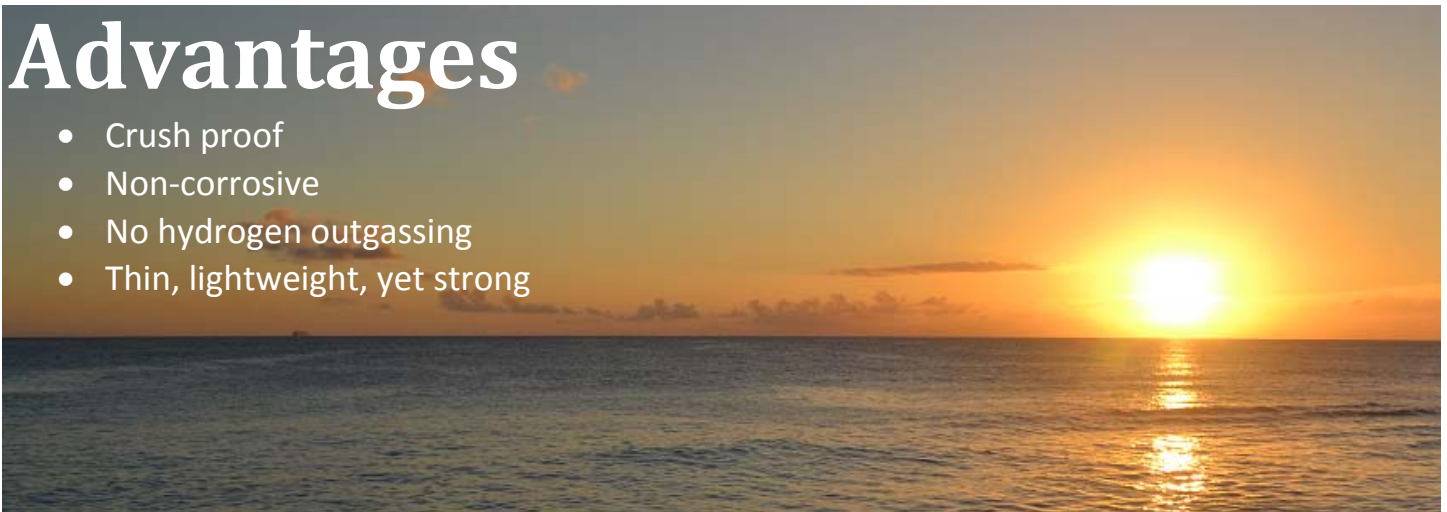
Our lightweight, buoyant designs are customized to your needs. From neutrally buoyant designs to cable that will float on water we can customize your size, buoyancy and strength. Using Linden's patented cable jacket construction designed to protect the fiber in the harsh subsea environment, our cables are compact and rugged; flexible and strong.

Features

- From the thinnest, lightest 500 μ m cable to 11mm cables with 2,000 lbs. break strength
- Density control for positive, neutral or negative buoyancy
- Designs with or without Kevlar
- Non-KinkTM design prevents hockling
- Continuous lengths >5km
- Hermetic coating protects fiber from moisture/hydrogen/helium
- Abrasion resistant

Advantages

- Crush proof
- Non-corrosive
- No hydrogen outgassing
- Thin, lightweight, yet strong



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www.LindenPhotonics.com



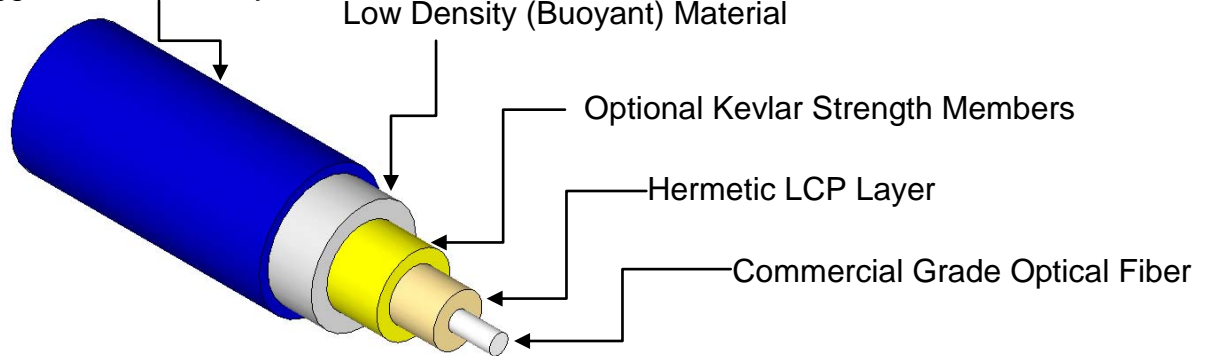
Singlemode

Part No. / Spec No.	Fiber Type	OD (mm)	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	Density (s.g.)
1-3-C-5-20 LINDEN-SPE-7040	Singlemode	0.500	0.35	0.25	10	0.95
1-3-A-8.5-27-L-20-67 LINDEN-SPE-7073	Singlemode	1.7	0.35	0.25	50	1.02
1-H-A-8.5-27-O-10-47-L-14-75 LINDEN-SPE-7036	Singlemode	1.9	0.35	0.25	300	1.01
1-H-A-8.5-27-O-20-67-L-31-130-Q-5-140 LINDEN-SPE-7055	Singlemode	3.5	0.35	0.25	1200	1.06
1-H-A-8.5-27-L-66.5-160-T-35-230-L-105-440-Q-40-520 LINDEN-SPE-7059	Singlemode	13	0.35	0.25	2000	1.03

Multimode

Part No. / Spec No.	Fiber Type	OD (mm)	Attenuation @ 850nm (dB/km)	Attenuation @ 1300nm (dB/km)	Tensile Strength (lbs)	Density (s.g.)
1-F- C-5-20 LINDEN-SPE-7074	Multimode 50um	0.500	2.5	3.5	10	0.95
1-F-A-8.5-27-L-20-67 LINDEN-SPE-7075	Multimode 50um	1.7	2.5	3.5	70	1.02
1-F-A-8.5-27-O-10-47-L-14-75 LINDEN-SPE-7076	Multimode 50um	1.9	2.5	3.5	300	1.01
1-F-A-8.5-27-O-20-67-L-31-130-Q-5-140 LINDEN-SPE-7077	Multimode 50um	3.5	2.5	3.5	1200	1.06
1-F-A-8.5-27-L-66.5-160-T-35-230-L-105-440-Q-40-520 LINDEN-SPE-7078	Multimode 50um	13	2.5	3.5	2000	1.03

Optional Ruggedized Outer Layer



Contact Linden Photonics for more detailed specifications or **custom requirements**



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