



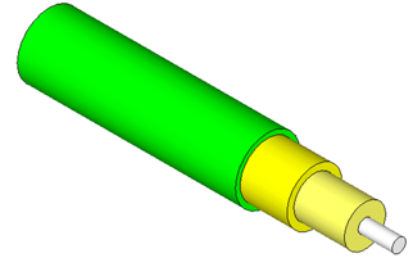
*High Strength Cable*

**Thin**

**Lightweight**

**Rugged**

# High Strength Cable



Linden's High Strength Cables are lightweight and flexible.

Rugged exterior, lightweight design and long continuous lengths give us an edge over competing cables. Using Linden's patented cable jacket construction designed to protect the fiber in the harsh subsea environment, our cables pull their weight.

## Features

- Over 2,500lbs. breaking strength
- Lightweight – LCP density:  $1.4\text{g}/\text{cm}^3$  compared to inconel 625:  $8.4\text{g}/\text{cm}^3$
- Continuous lengths >5km
- Hermetic coating protects fiber from moisture/hydrogen/helium
- Abrasion resistant

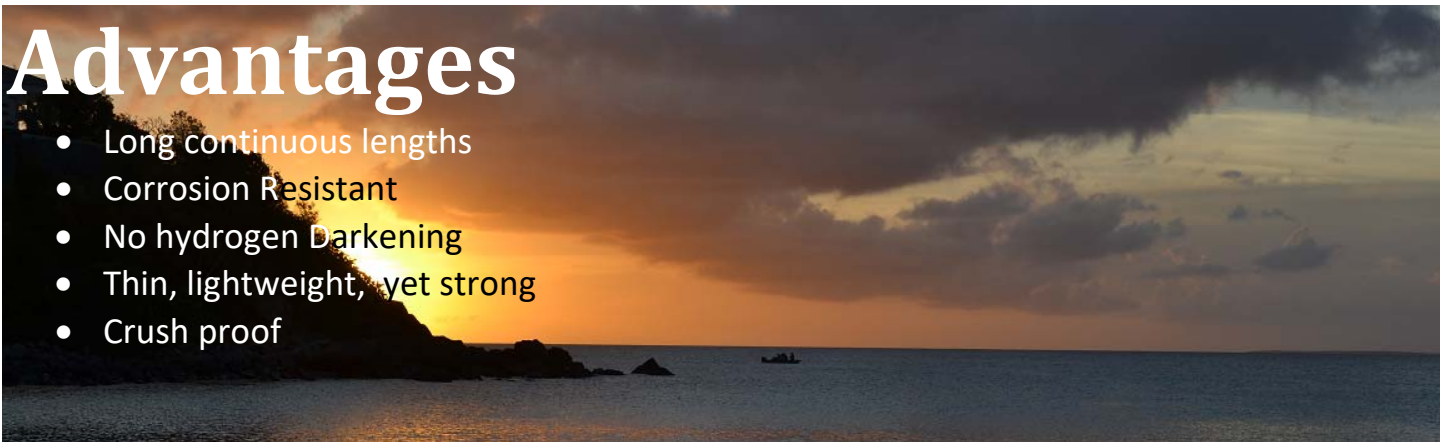


Making a cable **strong** is more complex than it may seem. Things like strength member selection, denier, number of elements, picks per inch, **lay length**, to braid or contra-helically serve, are but some of the factors one must consider when designing a cable. Different uses may call for different designs. Putting an **optical fiber** in the middle of all those strength members only complicates things.

Talk with **Linden** about how to build a cable that works for you.

## Advantages

- Long continuous lengths
- Corrosion Resistant
- No hydrogen Darkening
- Thin, lightweight, yet strong
- Crush proof





## Singlemode

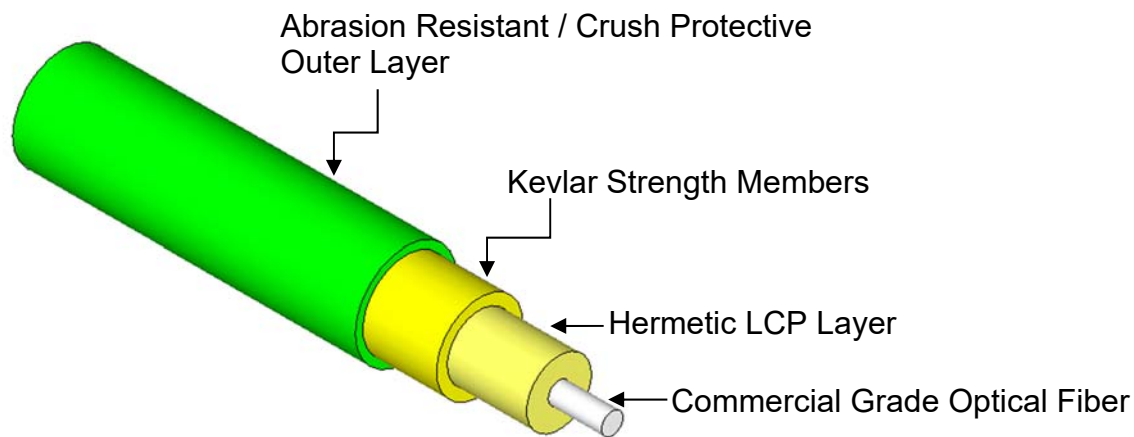
Spec No.	Part No.	OD (mm)	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
<a href="#">LINDEN-SPE-7052</a>	1-H-A-27-O-45-Q-75	1.9	0.45	0.35	250	3.6
<a href="#">LINDEN-SPE-7050</a>	1-SM-A-27-O-55-Q-95	2.4	0.45	0.35	450	6.8
<a href="#">LINDEN-SPE-7171</a>	1-SM-A-27-B-30-O-45-Q-145	3.5	0.45	0.35	250	11
<a href="#">LINDEN-SPE-7097</a>	1-SM-A-27-O-82-Q-147	3.7	0.45	0.35	1,200	27
<a href="#">LINDEN-SPE-7114</a>	1-SM-A-27-O-67-GG-147	3.7	0.45	0.35	1,100	27.5
<a href="#">LINDEN-SPE-7082</a>	1-SM-A-27-L-160-T-230-Q-310	7.9	0.45	0.35	2,750	41

## Multimode (50/125)

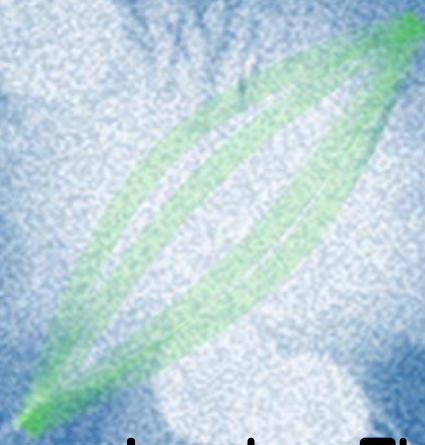
Spec No.	Part No.	OD (mm)	Attenuation @ 850nm (dB/km)	Attenuation @ 1310nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
<a href="#">LINDEN-SPE-7083</a>	1-F-A-27-O-47-Q-75	1.9	2.5	3.5	250	3.6
<a href="#">LINDEN-SPE-7084</a>	1-F-A-27-O-67-Q-95	2.4	2.5	3.5	450	6.8

## Multimode (62.5/125)

Spec No.	Part No.	OD (mm)	Attenuation @ 850nm (dB/km)	Attenuation @ 1310nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
<a href="#">LINDEN-SPE-7085</a>	1-I-A-27-O-47-Q-75	1.9	2.5	3.5	250	3.6
<a href="#">LINDEN-SPE-7086</a>	1-I-A-27-O-67-Q-95	2.4	2.5	3.5	450	6.8
<a href="#">LINDEN-SPE-7159</a>	1-I-J-35-O-45-Q-137	3.5	2.5	3.5	250	11
<a href="#">LINDEN-SPE-7087</a>	1-I-A-27-L-160-T-230-Q-310	7.9	2.5	3.5	2,750	41



CONTACT LINDEN PHOTONICS FOR MORE DETAILED SPECIFICATIONS OR CUSTOM REQUIREMENTS



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