



# ***High Strength Cable***

**Thin**

**Lightweight**

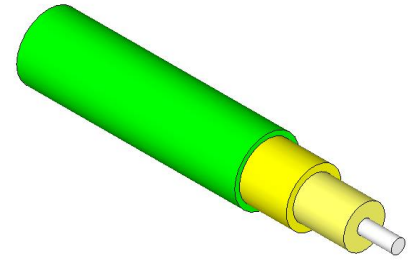
**Rugged**



# High Strength Cable

Linden's High Strength Non- Buoyant Cables are lightweight & 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:  $1.4\text{g/cm}^3$  compared to inconel 625:  $8.4\text{g/cm}^3$
- Continuous lengths >5km
- Hermetic coating protects fiber from moisture/hydrogen/helium
- Abrasion resistant

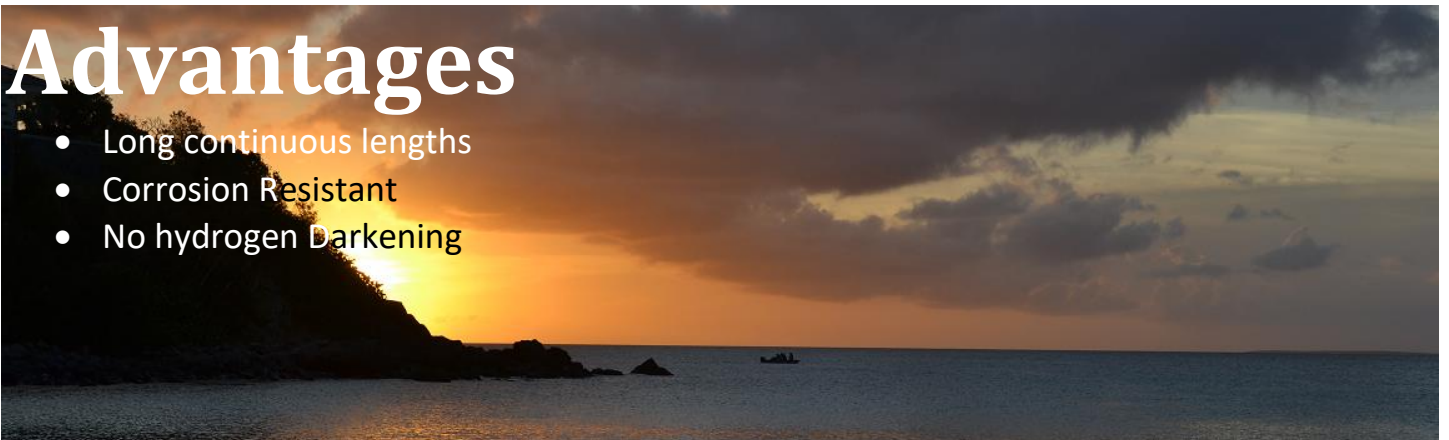


Making a cable **strong** is more complex than it may seem. Things like strength member selection, denier, number of elements, picks per inch, **lay length**, to braid or contra-helically serve, are but some of the factors one must consider when designing a cable. Different uses may call for different 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





## Singlemode

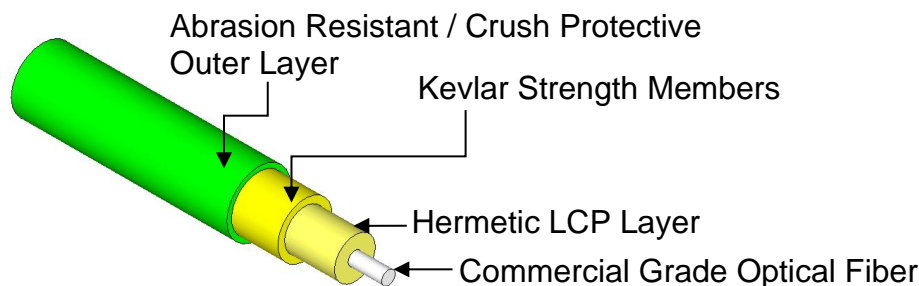
Spec No.	Part No.	OD (mm)	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
<a href="#">LINDEN-SPE-7052</a>	1-SM-A-27-O-45-Q-75	1.9	0.45	0.35	250	3.6
<a href="#">LINDEN-SPE-7050</a>	1-SM-A-27-O-55-Q-95	2.4	0.45	0.35	450	5.5
<a href="#">LINDEN-SPE-7282</a>	3-SM-A-35-B-38-T-95-Q-118	3.0	0.50	0.50	1,200	7.9
<a href="#">LINDEN-SPE-7573</a>	1-SM-A-27-O-55-Q-137	3.5	0.45	0.35	750	11.5
<a href="#">LINDEN-SPE-7171</a>	1-SM-J-35-O-45-Q-145	3.7	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	13
<a href="#">LINDEN-SPE-7114</a>	1-SM-A-27-O-67-GG-147	3.7	0.45	0.35	1,100	13.4
<a href="#">LINDEN-SPE-7300</a>	12-FO-U-114-O-134-Q-176	4.5	0.50	0.50	250	16
<a href="#">LINDEN-SPE-7457</a>	12-FO-GFLT-O-124-Q-184	4.7	0.45	0.35	250	18
<a href="#">LINDEN-SPE-7334</a>	1-SM-A-27-R-44-Z-146-Q-190	4.8	0.45	0.35	3,100	18.7
<a href="#">LINDEN-SPE-7473</a>	7264-O-138-Q-197	5.0	0.50	0.30	1,400	22
<a href="#">LINDEN-SPE-7511</a>	12-FO-O-139-Q-200	5.1	0.50	0.50	1,000	25
<a href="#">LINDEN-SPE-7398</a>	4-FO-O-170-Q-210	5.3	0.50	0.50	2,200	34
<a href="#">LINDEN-SPE-7407</a>	2-FO-V-63-O-96-Q-136-NN-151-Q-215	5.5	0.50	0.50	250	28
<a href="#">LINDEN-SPE-7404</a>	8-SM-U-114-O-134-Q-216	5.5	0.50	0.50	250	25
<a href="#">LINDEN-SPE-7312</a>	4-SM-V-102-T-142-Q-232	5.9	0.36	0.21	250	27
<a href="#">LINDEN-SPE-7429</a>	1-SM-V-102-O-115-Q-236	6.0	0.45	0.35	450	31
<a href="#">LINDEN-SPE-7322</a>	16-SM-T-240-Q-255	6.5	0.36	0.21	250	28
<a href="#">LINDEN-SPE-7383</a>	7098-T-236-Q-300	7.6	0.50	0.50	10,000	51
<a href="#">LINDEN-SPE-7082</a>	1-SM-A-27-B-30-O-47-L-108-O-170-Q-236	7.9	0.45	0.35	2,000	41
<a href="#">LINDEN-SPE-7371</a>	4-FO-P-136-O-236-Q-316	8.0	0.50	0.50	10,000	68
<a href="#">LINDEN-SPE-7312</a>	24-FO-O-270-Q-334	8.5	0.50	0.50	-	33
<a href="#">LINDEN-SPE-7289</a>	4-FO-X-140-O-308-OO-349	8.8	0.50	0.50	9,000	57
<a href="#">LINDEN-SPE-7256</a>	4-FO-P-136-O-193-FQ-393	10.0	0.50	0.50	5,000	80
<a href="#">LINDEN-SPE-7399</a>	24-SM-O-445-Q-475-NN-483-Q-523	13.3	0.45	0.35	3,200	120
<a href="#">LINDEN-SPE-7275</a>	4-FO-P-169-O-216-P-246-FQ-393	15.0	0.50	0.50	8,000	176

## 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	3.5	3.0	250	3.6
<a href="#">LINDEN-SPE-7084</a>	1-F-A-27-O-67-Q-95	2.4	3.5	3.0	450	5.5
<a href="#">LINDEN-SPE-7387</a>	2-FO-V-63-O-134-FQ-174	4.4	3.0	1.0	1,350	15
<a href="#">LINDEN-SPE-7396</a>	4-MM-V-102-T-142-Q-232	5.9	3.0	1.0	250	27
<a href="#">LINDEN-SPE-7388</a>	4-FO-V-102-O-157-FQ-236	6.0	3.0	1.0	1,200	19.5
<a href="#">LINDEN-SPE-7400</a>	24-MM-O-445-Q-475-NN-483-Q-523	13.3	3.0	1.0	3,200	120

## 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	3.5	3.0	250	3.6
<a href="#">LINDEN-SPE-7086</a>	1-I-A-27-O-67-Q-95	2.4	3.5	3.0	450	5.5
<a href="#">LINDEN-SPE-7159</a>	1-I-J-35-O-45-Q-137	3.5	3.5	3.0	250	11
<a href="#">LINDEN-SPE-7268</a>	3-I-V-63-O-103-Q-190	4.8	2.9	1.0	1,200	20
<a href="#">LINDEN-SPE-7087</a>	1-I-A-27-L-160-T-230-Q-310	7.9	3.5	3.0	2,000	41



CONTACT LINDEN FOR  
MORE DETAILED  
SPECIFICATIONS OR  
CUSTOM REQUIREMENTS





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