



High Strength Cable

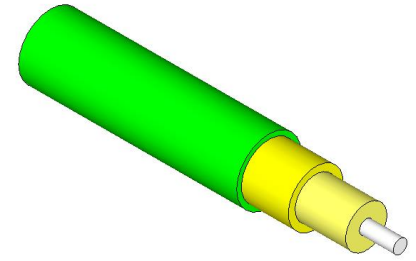
Thin

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: 1.4g/cm^3 compared to inconel 625: 8.4g/cm^3
- Continuous lengths >5km
- Hermetic coating protects fiber from moisture/hydrogen/helium
- Abrasion resistant

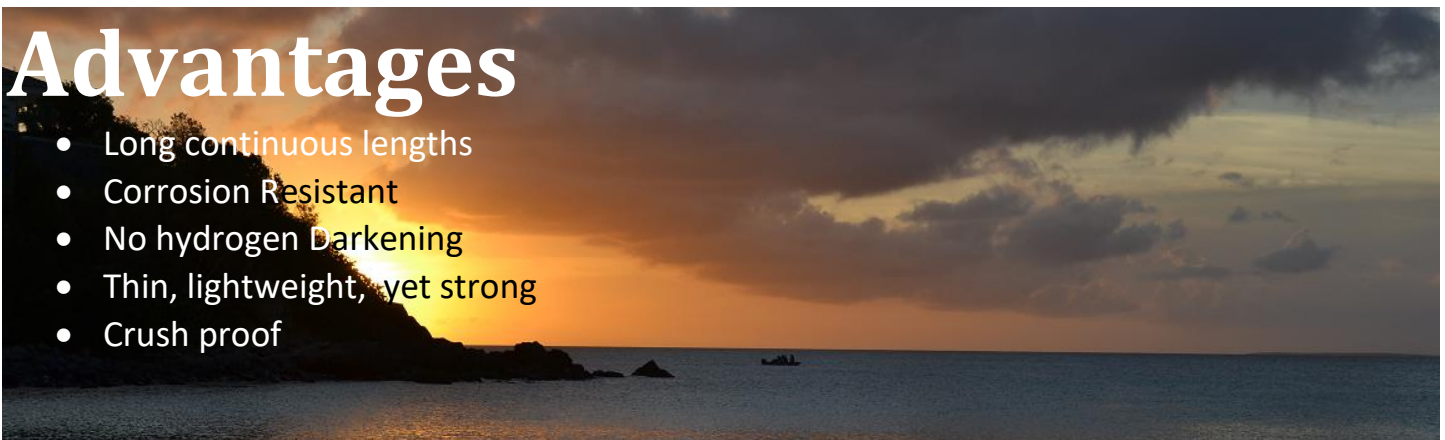


Making a cable **strong** is more complex than it may seem. Things like strength member selection, denier, number of elements, picks per inch, **lay length**, to braid or contra-helically serve, are but some of the factors one must consider when designing a cable. Different uses may call for different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

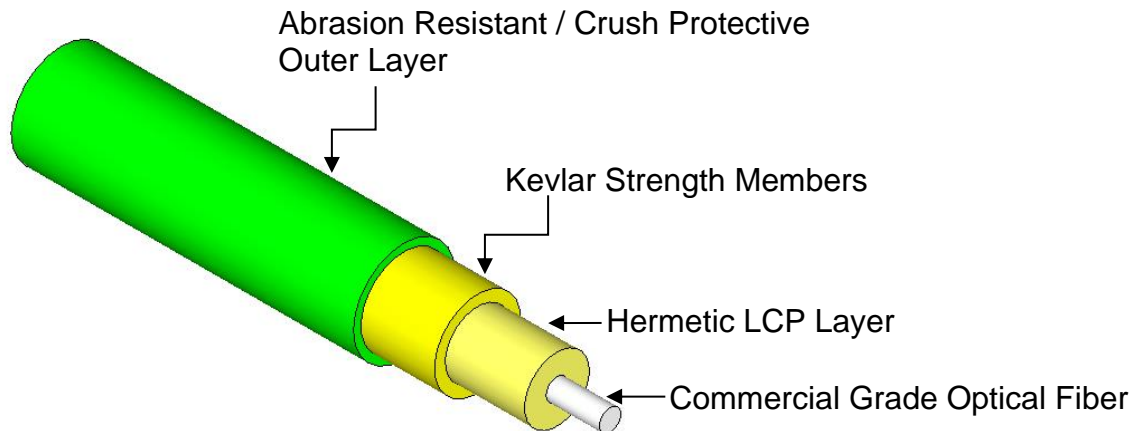
Spec No.	Part No.	OD (mm)	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
LINDEN-SPE-7052	1-H-A-27-O-45-Q-75	1.9	0.45	0.35	250	3.6
LINDEN-SPE-7050	1-SM-A-27-O-55-Q-95	2.4	0.45	0.35	450	5.5
LINDEN-SPE-7282	3-SM-A-35-B-38-T-95-Q-118	3.0	0.50	0.50	1,200	7.9
LINDEN-SPE-7171	1-SM-A-27-B-30-O-45-Q-145	3.5	0.45	0.35	250	11
LINDEN-SPE-7097	1-SM-A-27-O-82-Q-147	3.7	0.45	0.35	1,200	27
LINDEN-SPE-7114	1-SM-A-27-O-67-GG-147	3.7	0.45	0.35	1,100	27.5
LINDEN-SPE-7300	12-FO-U-114-O-134-Q-176	4.5	0.50	0.50	250	16
LINDEN-SPE-7082	1-SM-A-27-B-30-O-47-L-108-O-170-Q-236	6.0	0.45	0.35	2,000	33
LINDEN-SPE-7289	4-FO-X-140-O-308-OO-349	8.8	0.50	0.50	9,000	57
LINDEN-SPE-7256	4-FO-P-136-O-193-FQ-393	10.0	0.5	0.5	5,000	80
LINDEN-SPE-7275	4-FO-P-169-O-216-P-246-FQ-393	15.0	0.5	0.5	8,000	176

Multimode (50/125)

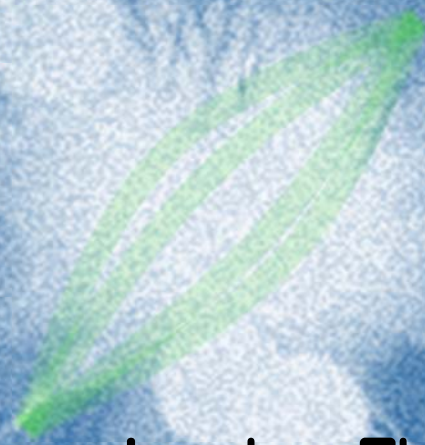
Spec No.	Part No.	OD (mm)	Attenuation @ 850nm (dB/km)	Attenuation @ 1310nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
LINDEN-SPE-7083	1-F-A-27-O-47-Q-75	1.9	2.5	3.5	250	3.6
LINDEN-SPE-7084	1-F-A-27-O-67-Q-95	2.4	2.5	3.5	450	5.5

Multimode (62.5/125)

Spec No.	Part No.	OD (mm)	Attenuation @ 850nm (dB/km)	Attenuation @ 1310nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
LINDEN-SPE-7085	1-I-A-27-O-47-Q-75	1.9	2.5	3.5	250	3.6
LINDEN-SPE-7086	1-I-A-27-O-67-Q-95	2.4	2.5	3.5	450	5.5
LINDEN-SPE-7159	1-I-J-35-O-45-Q-137	3.5	2.5	3.5	250	11
LINDEN-SPE-7268	3-I-V-63-O-103-Q-190	4.8	2.9	0.6	1,200	20
LINDEN-SPE-7087	1-I-A-27-L-160-T-230-Q-310	7.9	2.5	3.5	2,750	41



CONTACT LINDEN FOR MORE DETAILED SPECIFICATIONS OR CUSTOM REQUIREMENTS



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