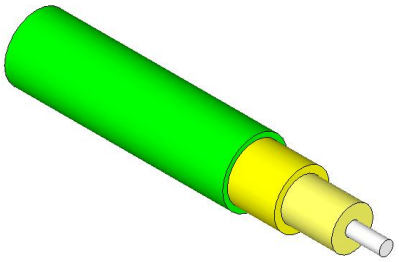

High Strength Cable
Thin
Lightweight
Rugged

High Strength Cable

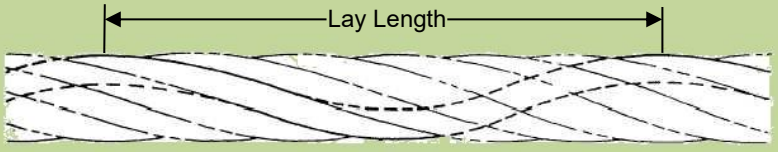


Linden's High Strength Non- Buoyant Cables are lightweight & flexible.

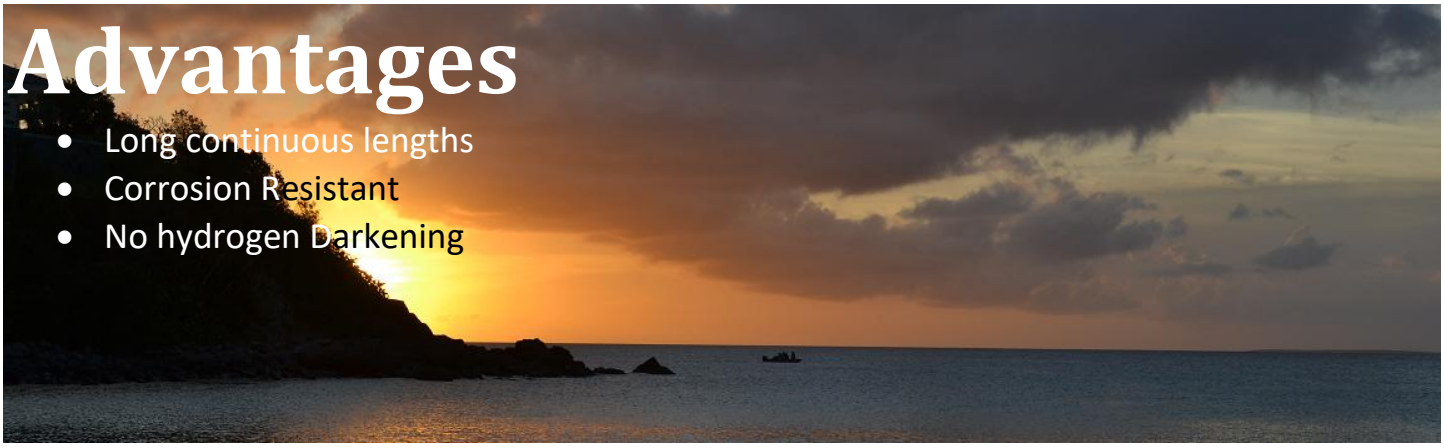
Rugged exterior, lightweight design and long continuous lengths give us an edge over competing cables. Using Linden's patented cable jacket construction designed to protect the fiber in the harsh subsea environment, our cables pull their weight.

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

Singlemode

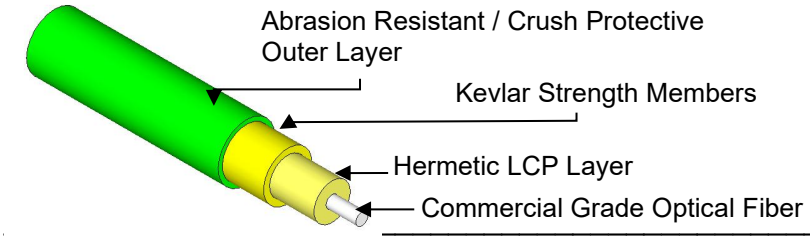
Spec No.	Part No.	OD (mm)	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
LINDEN-SPE-7608	1-SM-A-17-B-20-O-31-Q-55	1.4	0.50	0.50	125	2.1
LINDEN-SPE-7627	1-SM-A-27-O-47-J-70	1.8	0.45	0.35	250	3.6
LINDEN-SPE-7052	1-SM-A-27-O-45-Q-75	1.9	0.45	0.35	250	3.6
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-7573	1-SM-A-27-O-55-Q-137	3.5	0.45	0.35	750	11.5
LINDEN-SPE-7171	1-SM-J-35-O-45-Q-145	3.7	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	13
LINDEN-SPE-7114	1-SM-A-27-O-67-GG-147	3.7	0.45	0.35	1,100	13.4
LINDEN-SPE-7300	12-FO-U-114-O-134-Q-176	4.5	0.50	0.50	250	16
LINDEN-SPE-7457	12-FO-GFLT-O-124-Q-184	4.7	0.45	0.35	250	18
LINDEN-SPE-7334	1-SM-A-27-R-44-Z-146-Q-190	4.8	0.45	0.35	3,100	18.7
LINDEN-SPE-7593	2-SM-V-63-O-128-Q-188	4.8	0.60	0.60	2,000	19
LINDEN-SPE-7473	7264-O-138-Q-197	5.0	0.50	0.30	1,400	22
LINDEN-SPE-7511	12-FO-O-139-Q-200	5.1	0.50	0.50	1,000	25
LINDEN-SPE-7398	4-FO-O-170-Q-210	5.3	0.50	0.50	2,200	34
LINDEN-SPE-7407	2-FO-V-63-O-96-Q-136-NN-151-Q-215	5.5	0.50	0.50	250	28
LINDEN-SPE-7404	8-SM-U-114-O-134-Q-216	5.5	0.50	0.50	250	25
LINDEN-SPE-7321	4-SM-V-102-T-142-Q-232	5.9	0.36	0.21	250	27
LINDEN-SPE-7429	1-SM-V-102-O-115-Q-236	6.0	0.45	0.35	450	31
LINDEN-SPE-7322	16-SM-T-240-Q-255	6.5	0.36	0.21	250	28
LINDEN-SPE-7577	7098-O-177-OO-275	7.0	0.45	0.35	2,000	36
LINDEN-SPE-7383	7098-T-236-Q-300	7.6	0.50	0.50	10,000	51
LINDEN-SPE-7082	1-SM-A-27-B-30-O-47-L-108-O-170-Q-236	7.9	0.45	0.35	2,000	41
LINDEN-SPE-7371	4-FO-P-136-O-236-Q-316	8.0	0.50	0.50	10,000	68
LINDEN-SPE-7312	24-FO-O-270-Q-334	8.5	0.50	0.50	-	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	0.50	0.50	5,000	80
LINDEN-SPE-7399	24-SM-O-445-Q-475-NN-483-Q-523	13.3	0.45	0.35	3,200	120
LINDEN-SPE-7583	2-SM-V-63-T-281-Q-525	13.3	0.50	0.50	12,200	160
LINDEN-SPE-7275	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)
LINDEN-SPE-7083	1-F-A-27-O-47-Q-75	1.9	3.5	3.0	250	3.6
LINDEN-SPE-7084	1-F-A-27-O-67-Q-95	2.4	3.5	3.0	450	5.5
LINDEN-SPE-7622	16-FO-U-14-O-121-J-148-BLK	3.76	3.0	1.0	250	18
LINDEN-SPE-7387	2-FO-V-63-O-134-FQ-174	4.4	3.0	1.0	1,350	15
LINDEN-SPE-7591	2-FO-V-63-O-128-Q-188	4.8	3.0	1.0	2,000	19
LINDEN-SPE-7396	4-MM-V-102-T-142-Q-232	5.9	3.0	1.0	250	27
LINDEN-SPE-7388	4-FO-V-102-O-157-FQ-236	6.0	3.0	1.0	1,200	19.5
LINDEN-SPE-7400	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)
LINDEN-SPE-7085	1-I-A-27-O-47-Q-75	1.9	3.5	3.0	250	3.6
LINDEN-SPE-7086	1-I-A-27-O-67-Q-95	2.4	3.5	3.0	450	5.5
LINDEN-SPE-7159	1-I-J-35-O-45-Q-137	3.5	3.5	3.0	250	11
LINDEN-SPE-7268	3-I-V-63-O-103-Q-190	4.8	2.9	1.0	1,200	20
LINDEN-SPE-7087	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



Linden Photonics, Inc.

1 Park Drive, Unit 8, Westford MA 01886
Phone: 978-392-7985
Email: info@LindenPhotonics.com
Web: www.LindenPhotonics.com