STFOC

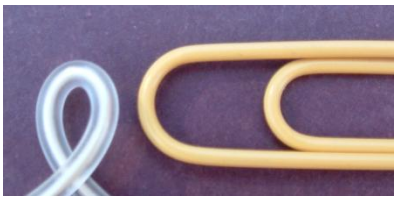
Optical Cable

Non-Kink

Crush Proof



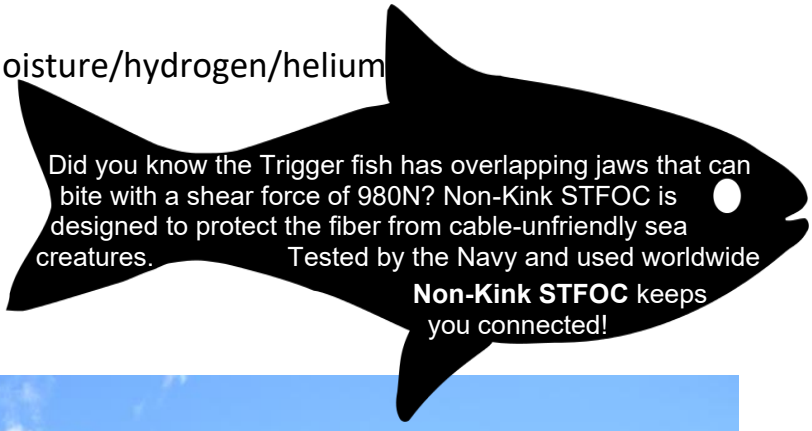
STFOC



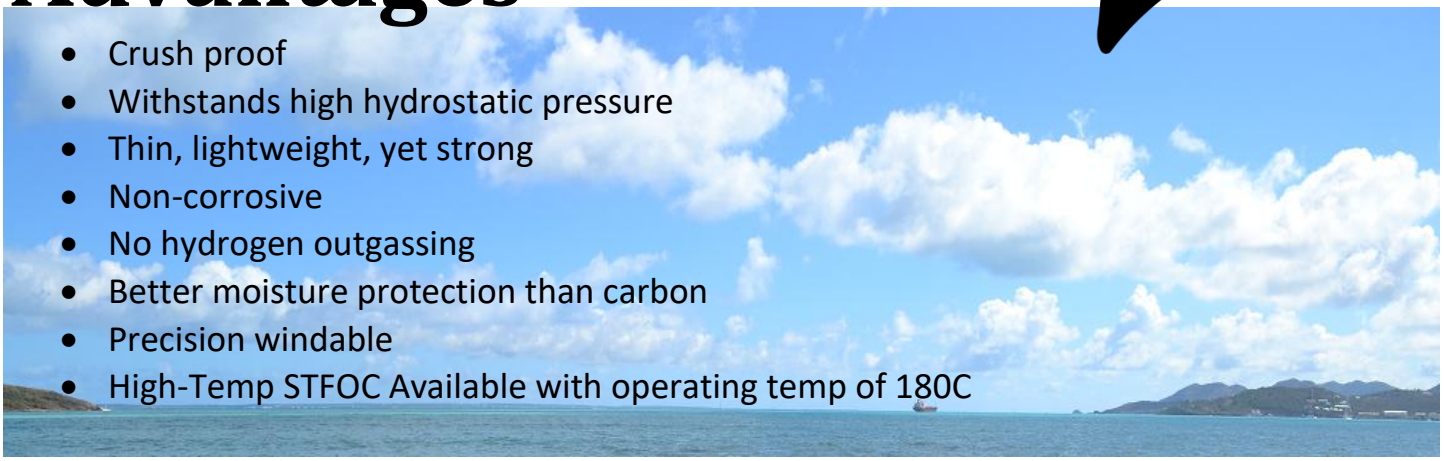
Linden's STFOC™ cables are available for a variety of underwater uses from munitions tethers to ROV controls to littoral water sensing. STFOC uses our patented cable jacket construction designed to protect the fiber in the harsh subsea environment. Non-Kink™ STFOC has a patented design to protect your fiber from the dangers of hockling. Compact and rugged; flexible and strong. Custom configurations available.

Features

- Patented Liquid Crystal Polymer (LCP) jacketing (US Patent No. 7,570,853)
- Patented Non-Kink construction (US Patent No. 8,842,956)
- 100% thermoplastic jacket eliminates need for metal & Kevlar
- Non-Kink™ design prevents hockling
- Lightweight – LCP density:1.4g/cm^3 compared to Inconel 625:8.4g/cm^3
- Long continuous lengths >25km
- Hermetic coating protects fiber from moisture/hydrogen/helium
- Tight diameter tolerance
- Abrasion resistant



Advantages



- Crush proof
- Withstands high hydrostatic pressure
- Thin, lightweight, yet strong
- Non-corrosive
- No hydrogen outgassing
- Better moisture protection than carbon
- Precision windable
- High-Temp STFOC Available with operating temp of 180C

Singlemode

Spec No.	Part No.	OD (mm)	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
LINDEN-SPE-7273	1-SM-A-17-B-19	0.480	0.45	0.35	20	0.24
LINDEN-SPE-7090	1-SM-A-17-B-20	0.500	0.45	0.35	20	0.25
LINDEN-SPE-7053	1-SM-A-21-B-24	0.600	0.45	0.35	30	0.4
LINDEN-SPE-7034	1-SM-A-27-B-30	0.762	0.45	0.35	50	0.6
LINDEN-SPE-7309+	1-V-A-24-M-30	0.762	0.45	0.35	40	0.67
LINDEN-SPE-7092*	1-V-A-27-R-35	0.890	0.45	0.40	50	1.0
LINDEN-SPE-7035	3-SM-A-35-B-38	0.965	0.45	0.35	50	0.9
LINDEN-SPE-7394	3-SM-A-35-R-40	1.02	0.45	0.35	50	0.97
LINDEN-SPE-7331	1-RR-A-27-J-60	1.52	0.45	0.35	50	2.5
LINDEN-SPE-7043	1-SM-A-35-Q-65	1.65	0.45	0.35	70	2.6
LINDEN-SPE-7196	1-SM-A-35-Q-79	2.0	0.45	0.35	70	3.7
LINDEN-SPE-7057	3-SM-A-35-Q-87	2.2	0.45	0.35	70	3.9
LINDEN-SPE-7329t	1-SM-A-21-B-24-W-48-Q-95	2.4	0.45	0.35	300	9.0
LINDEN-SPE-7374	6-FO-P-106	2.7	0.50	0.50	100	6.2
LINDEN-SPE-7039	7-3-A-55-Q-125	3.2	0.45	0.35	60	9.0

*Mid-Temp (150C) STFOC / tStainless Steel Armored

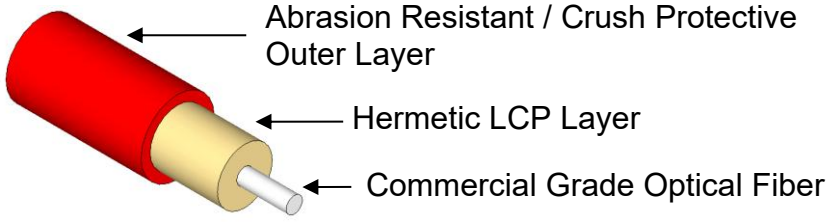
Multimode (50/125)

Spec No.	Part No.	OD (mm)	Attenuation @ 850nm (dB/km)	Attenuation @ 1300nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
LINDEN-SPE-7069	1-F-A-21-B-24	0.600	3.5	3.0	30	0.4
LINDEN-SPE-7070	1-F-A-27-B-30	0.762	3.5	3.0	50	0.6
LINDEN-SPE-7310+	1-W-A-24-M-30	0.762	3.5	3.0	40	0.67
LINDEN-SPE-7182	1-W-A-27-J-35	0.890	3.5	3.0	50	0.9
LINDEN-SPE-7071	3-F-A-35-B-38	0.965	3.5	3.0	50	0.9
LINDEN-SPE-7044	1-F-A-35-Q-65	1.65	3.5	3.0	70	2.6
LINDEN-SPE-7197	1-F-A-35-Q-79	2.0	3.5	3.0	70	3.7

+High-Temp (180C) STFOC

Multimode (62.5/125)

Spec No.	Part No.	OD (mm)	Attenuation @ 850nm (dB/km)	Attenuation @ 1300nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
LINDEN-SPE-7046	1-I-A-35-Q-65	1.65	3.5	3.0	70	2.6
LINDEN-SPE-7198	1-I-A-35-Q-79	2.0	3.5	3.0	70	3.7
LINDEN-SPE-7072	7-I-A-55-G-125	3.2	3.5	3.0	60	9.0



CONTACT LINDEN FOR MORE DETAILED SPECIFICATIONS OR CUSTOM REQUIREMENTS



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