

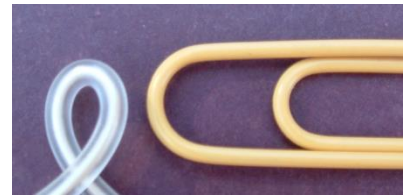


***STFOC***  
***Optical Cable***

**Non-Kink**  
**Crush Proof**



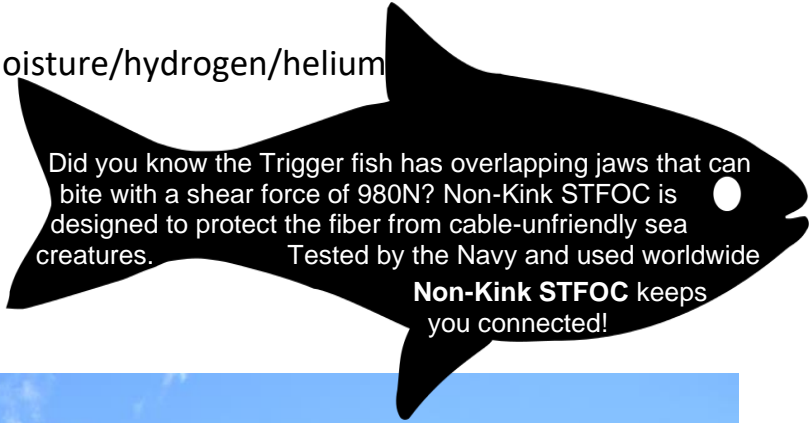
# STFOC



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 hocking. 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 hocking
- Lightweight – LCP density:  $1.4\text{g/cm}^3$  compared to Inconel 625:  $8.4\text{g/cm}^3$
- Long continuous lengths >25km
- Hermetic coating protects fiber from moisture/hydrogen/helium
- Tight diameter tolerance
- Abrasion resistant



Did you know the Trigger fish has overlapping jaws that can bite with a shear force of 980N? Non-Kink STFOC is designed to protect the fiber from cable-unfriendly sea creatures. Tested by the Navy and used worldwide

**Non-Kink STFOC** keeps you connected!

## Advantages

- Crush proof
- Withstands high hydrostatic pressure
- Thin, lightweight, yet strong
- Non-corrosive
- No hydrogen outgassing
- Better moisture protection than carbon
- Precision windable
- Mid-Temp STFOC Available with working temp of 150C



## 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-7273</a>	1-SM-A-17-B-19	0.480	0.45	0.35	20	0.24
<a href="#">LINDEN-SPE-7090</a>	1-SM-A-17-B-20	0.500	0.45	0.35	20	0.4
<a href="#">LINDEN-SPE-7053</a>	1-SM-A-21-B-24	0.600	0.45	0.35	30	0.4
<a href="#">LINDEN-SPE-7063</a>	1-SM-A-26-B-29	0.750	0.45	0.35	45	0.5
<a href="#">LINDEN-SPE-7034</a>	1-SM-A-27-B-30	0.762	0.45	0.35	50	0.6
<a href="#">LINDEN-SPE-7309*</a>	1-V-A-24-M-30	0.762	0.45	0.35	40	0.67
<a href="#">LINDEN-SPE-7092*</a>	1-V-A-27-R-35	0.900	0.45	0.40	50	1.0
<a href="#">LINDEN-SPE-7035</a>	3-SM-A-35-B-38	0.965	0.45	0.35	50	0.9
<a href="#">LINDEN-SPE-7043</a>	1-SM-A-35-Q-65	1.65	0.45	0.35	70	2.6
<a href="#">LINDEN-SPE-7196</a>	1-SM-A-35-Q-79	2.0	0.45	0.35	70	3.7
<a href="#">LINDEN-SPE-7057</a>	3-SM-A-35-Q-87	2.2	0.45	0.35	70	3.9
<a href="#">LINDEN-SPE-7039</a>	7-3-A-55-Q-125	3.2	0.45	0.35	60	9.0

\*Mid-Temp (150C) STFOC

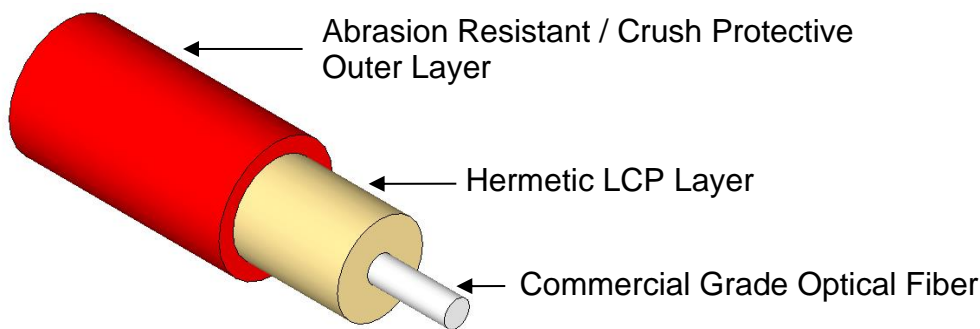
## Multimode (50/125)

Spec No.	Part No.	OD (mm)	Attenuation @ 850nm (dB/km)	Attenuation @ 1300nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
<a href="#">LINDEN-SPE-7069</a>	1-F-A-21-B-24	0.600	2.5	3.5	30	0.4
<a href="#">LINDEN-SPE-7070</a>	1-F-A-27-B-30	0.762	2.5	3.5	45	0.6
<a href="#">LINDEN-SPE-7310*</a>	1-W-A-24-M-30	0.762	2.5	3.5	40	0.67
<a href="#">LINDEN-SPE-7182</a>	1-W-A-27-J-35	0.890	2.5	3.5	50	0.9
<a href="#">LINDEN-SPE-7071</a>	3-F-A-35-B-38	0.965	2.5	3.5	50	0.9
<a href="#">LINDEN-SPE-7044</a>	1-F-A-35-Q-65	1.65	2.5	3.5	70	2.6
<a href="#">LINDEN-SPE-7197</a>	1-F-A-35-Q-79	2.0	2.5	3.5	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)
<a href="#">LINDEN-SPE-7046</a>	1-I-A-35-Q-65	1.65	2.5	3.5	70	2.6
<a href="#">LINDEN-SPE-7198</a>	1-I-A-35-Q-79	2.0	2.5	3.5	70	3.7
<a href="#">LINDEN-SPE-7072</a>	7-I-A-55-Q-125	3.2	2.5	3.5	60	9.0



CONTACT LINDEN FOR MORE DETAILED SPECIFICATIONS OR CUSTOM REQUIREMENTS





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