



*Phase Stabilized STFOC*

**Cost Effective**

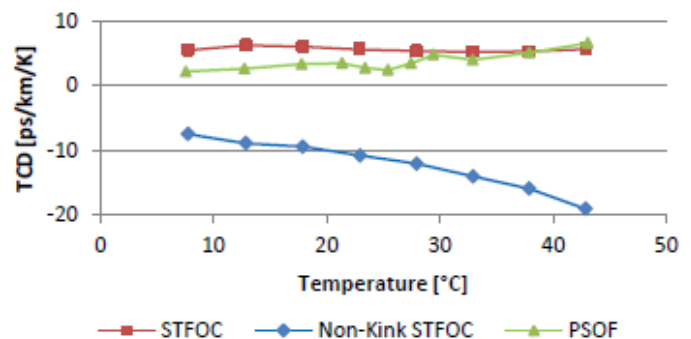
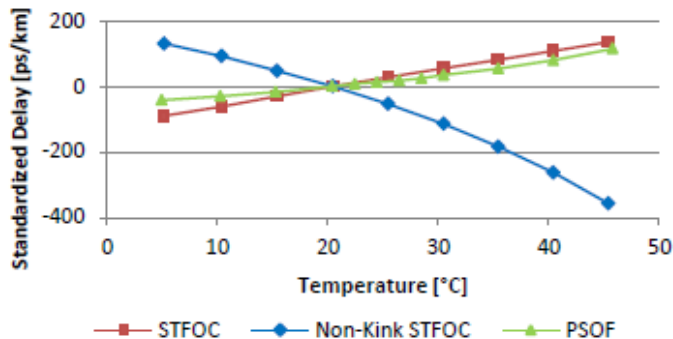


# Phase Stabilized STFOC

Phase Stabilized STFOC is a specialty fiber which minimizes the temperature dependence of transmission delay time. It is used for transmitting base band signals in synchronized measurement systems. The fiber is buffered with Linden Photonics' patented Liquid Crystal Polymer jacketing, a material with negative thermal expansion coefficient. Kevlar strength members are also available.

## Features

- Negative Thermal Coefficient of Delay (TCD) Available

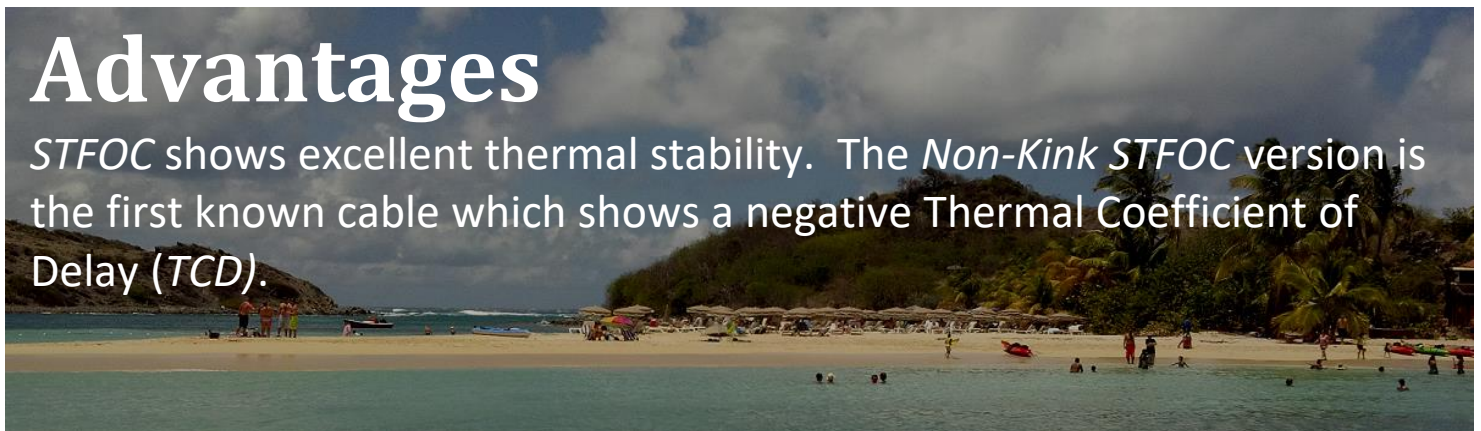


\*NEW PHASE STABLE OPTICAL FIBER, M. Bousonville, et al, 2012

(<http://accelconf.web.cern.ch/accelconf/BIW2012/papers/mopg033.pdf>)

## Advantages

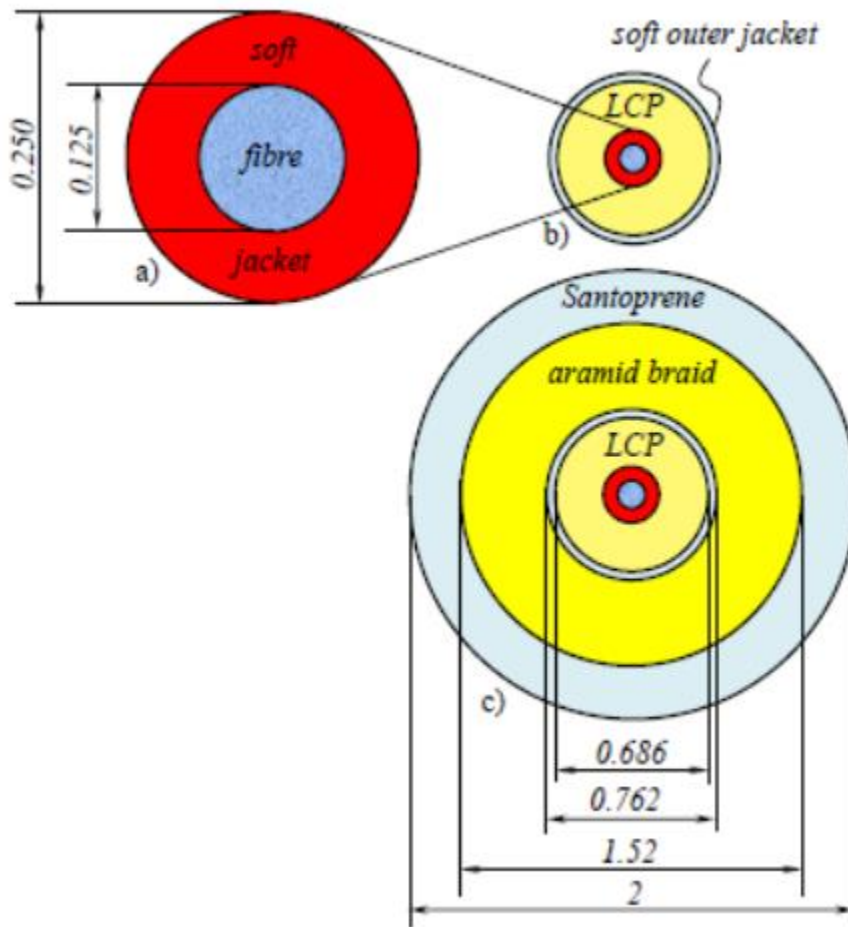
STFOC shows excellent thermal stability. The *Non-Kink STFOC* version is the first known cable which shows a negative Thermal Coefficient of Delay (TCD).





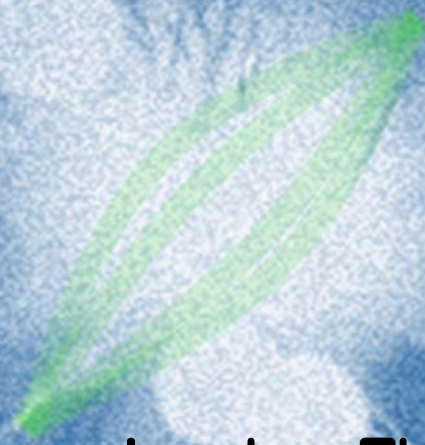
## Singlemode

Description	Specification No. Part No.	Fiber Type	OD (mm)	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	TCD Value (ps/°C/km)
STFOC	<a href="#">LINDEN-SPE-7193</a> <a href="#">1-SM-A-27-B-30-TCD</a>	Singlemode	0.762	0.45	0.35	50	~ 10
Non-kink STFOC	<a href="#">LINDEN-SPE-7192</a> <a href="#">1-SM-A-27-O-47-L-75- TCD</a>	Singlemode	1.9	0.45	0.35	250	~ -10



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(<http://accelconf.web.cern.ch/accelconf/BIW2012/papers/mopg033.pdf>)

CONTACT LINDEN FOR MORE DETAILED SPECIFICATIONS OR CUSTOM REQUIREMENTS



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