



Phase Stabilized STFOC
Cost Effective

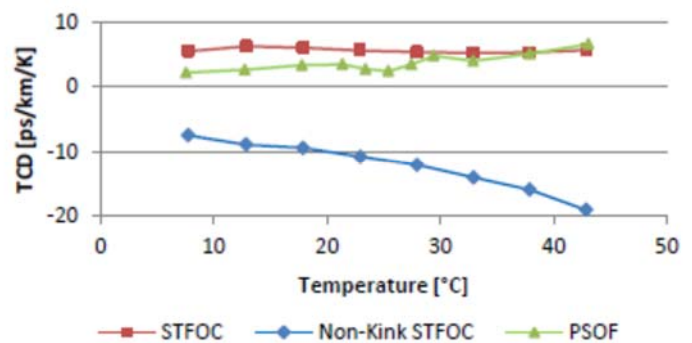
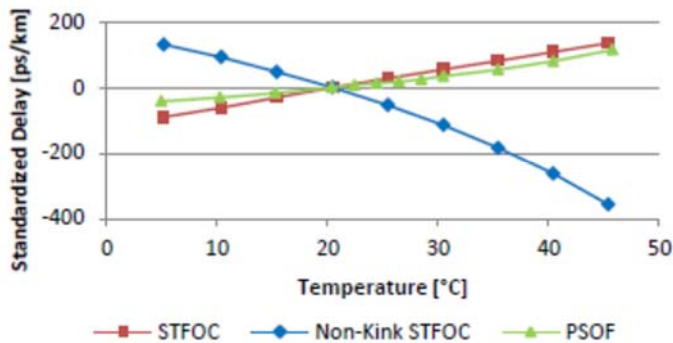


Phase Stabilized STFOC

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

- Low cost
- Negative Thermal Coefficient of Delay (TCD) Available

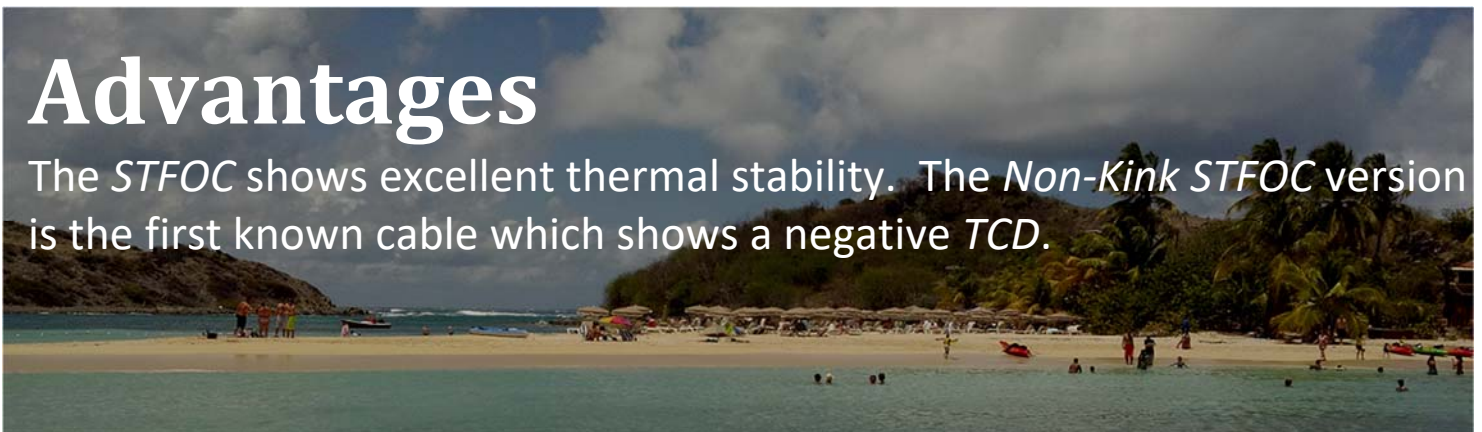


*NEW PHASE STABLE OPTICAL FIBER, M. Bousonville, et al, 2012

<http://accelconf.web.cern.ch/accelconf/B IW2012/papers/mopg033.pdf>

Advantages

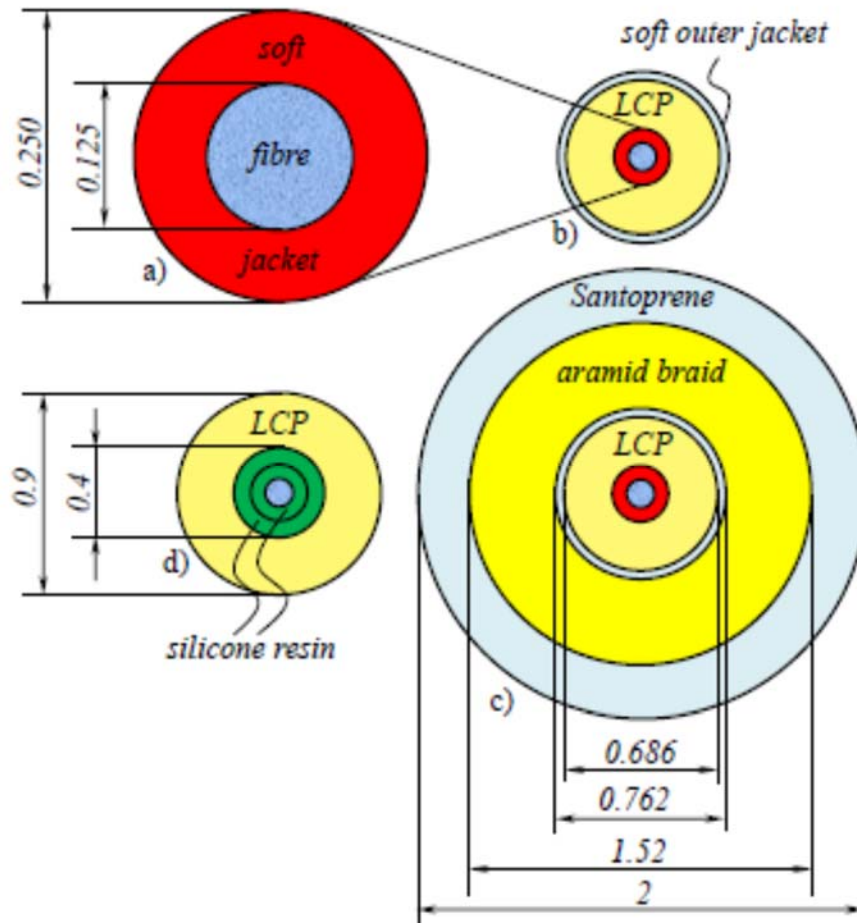
The *STFOC* shows excellent thermal stability. The *Non-Kink STFOC* version is the first known cable which shows a negative *TCD*.





Singlemode

Description	Specification No. Part No.	Fiber Type	OD (mm)	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	TCD Value (ps/K/km)
STFOC	LINDEN-SPE-7193 1-3-A-27-B-30-TCD	Singlemode	0.762	0.45	0.35	50	10
Non-kink STFOC	LINDEN-SPE-7192 1-3-A-27-O-45-L-79-TCD	Singlemode	1.9	0.45	0.35	250	-10



*NEW PHASE STABLE OPTICAL FIBER, M. Bousonville, et al, 2012
<http://accelconf.web.cern.ch/accelconf/BIW2012/papers/mopg033.pdf>

CONTACT LINDEN PHOTONICS FOR MORE DETAILED SPECIFICATIONS OR CUSTOM
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