

An aerial photograph of a vast field of wind turbines, stretching far into the distance. A prominent green path, composed of several parallel lines, winds through the turbines from the bottom left towards the top right. The turbines are arranged in neat, parallel rows, and their shadows are cast on the ground, indicating a bright, sunny day. The overall scene conveys a sense of scale and organized energy production.

Phase Stabilized STFOC
Cost Effective

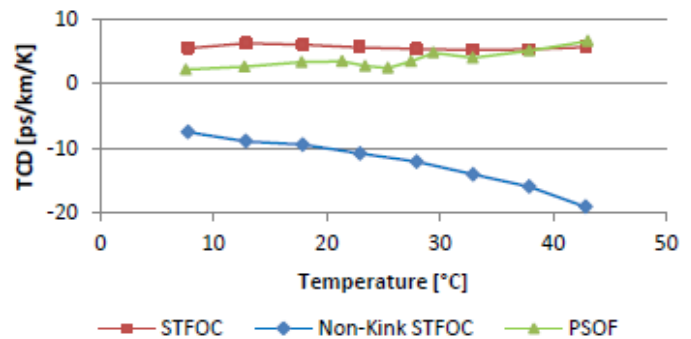
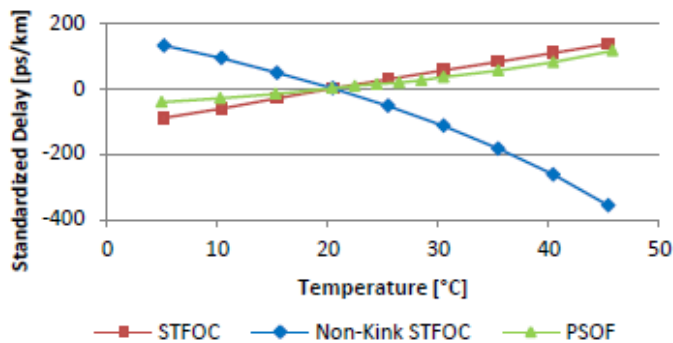


Phase Stabilized STFOC

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

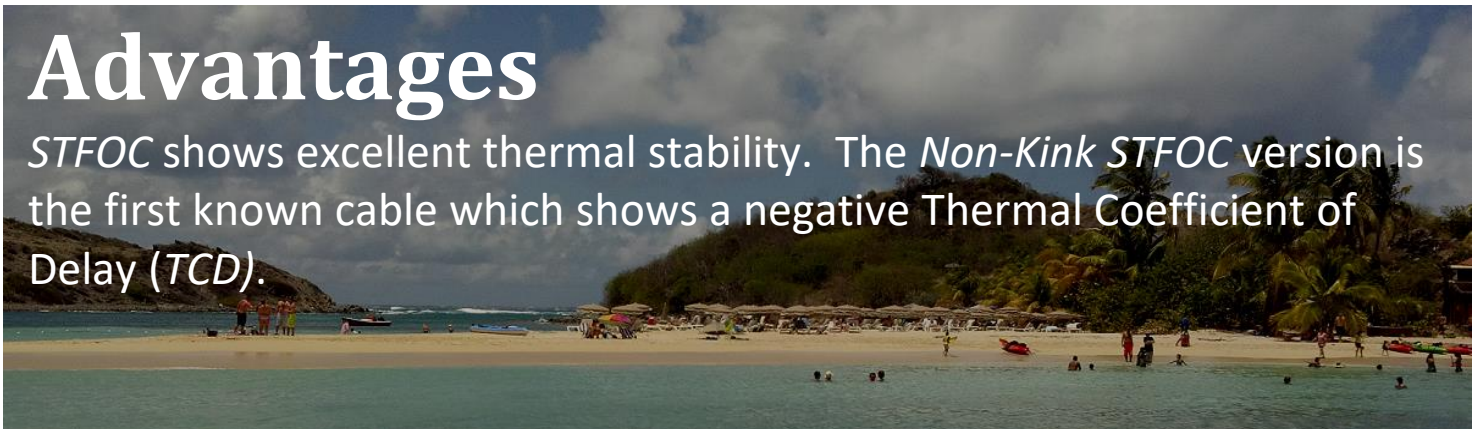


*NEW PHASE STABLE OPTICAL FIBER, M. Bousonville, et al, 2012

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

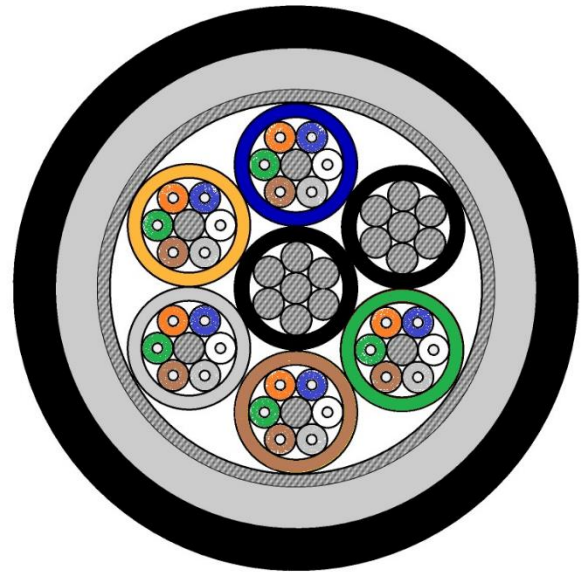
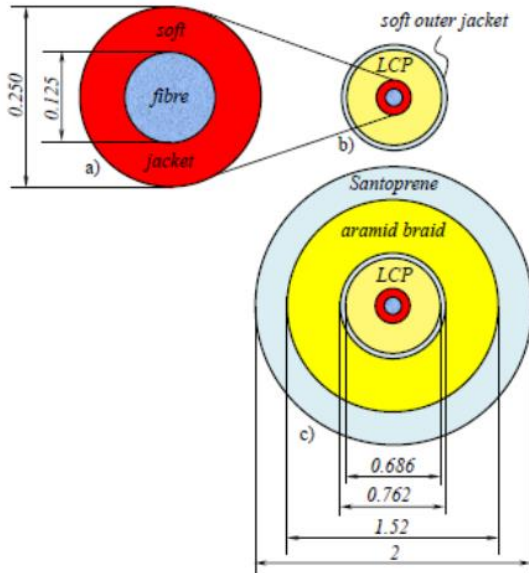
Advantages

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



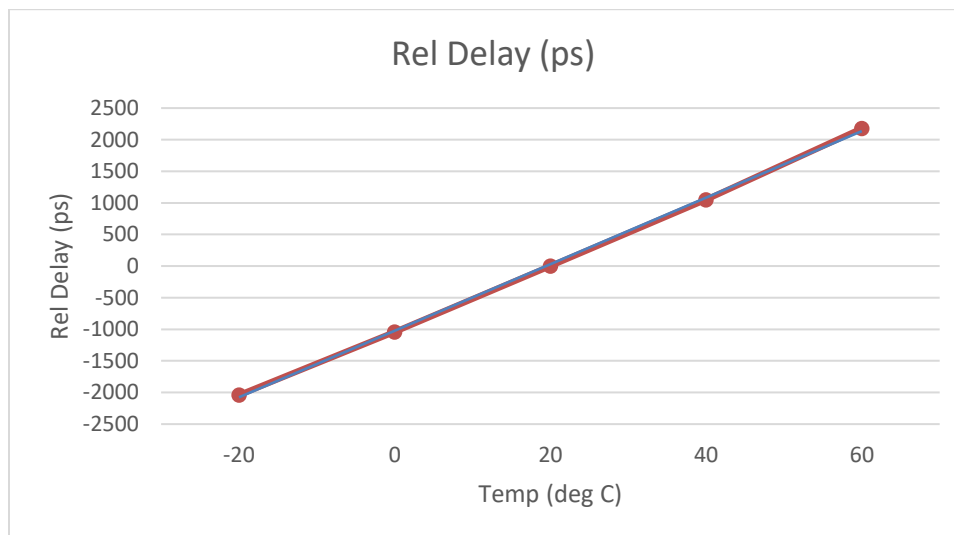
Singlemode

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	LINDEN-SPE-7193 1-SM-A-27-B-30-TCD	Singlemode	0.762	0.45	0.35	50	~ 10
Non-kink STFOC	LINDEN-SPE-7192 1-SM-A-27-O-47-L-75- 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>)

Multi-Channel Designs Available



LINDEN-SPE-7193 Delay

CONTACT LINDEN FOR MORE DETAILED SPECIFICATIONS OR CUSTOM REQUIREMENTS



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