



Phase Stabilized STFOC

Cost Effective

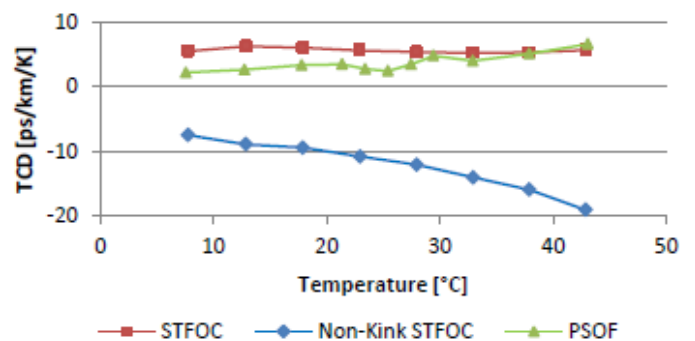
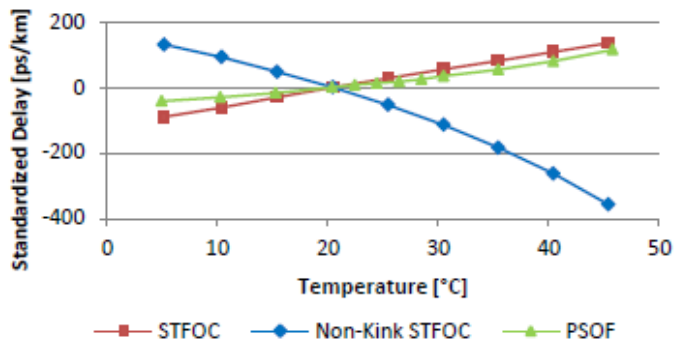


Phase Stabilized STFOC

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/BIW2012/papers/mopg033.pdf>)

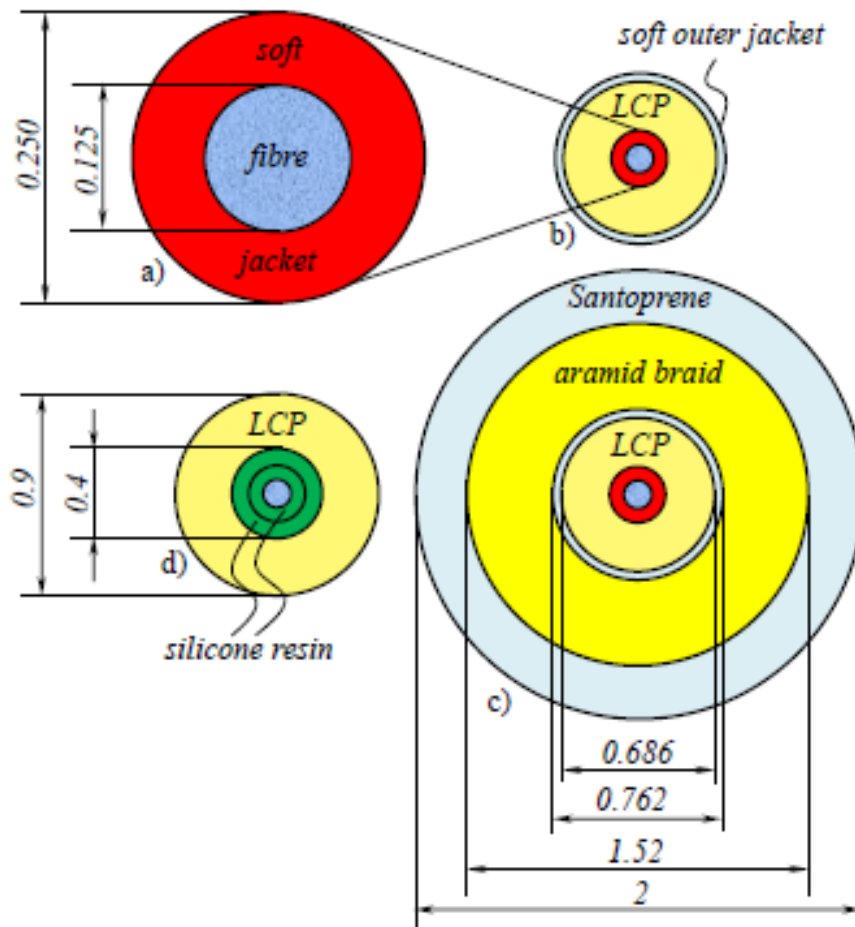
Advantages

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



Singlemode

Description	Part Number	Fiber Type	OD	Attenuation @ 1310nm (dB/km)	Attenuation @ 1550nm (dB/km)	Tensile Strength (lbs)	Weight (kg/km)
Precision Windable							
STFOC	1-3-A-8.5-27-B-1.5-30-TCD	Singlemode OFS Allwave Flex	760um	0.45	0.35	>50	0.6
Non-kink STFOC	1-3-A-8.5-27-O-9-45-L-17-79-TCD	Singlemode OFS Allwave Flex	1.9mm	0.45	0.35	>350	3.0



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Contact Linden Photonics for more detailed specifications or custom requirements