

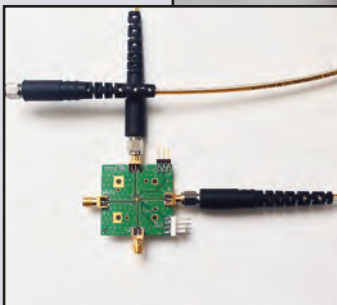
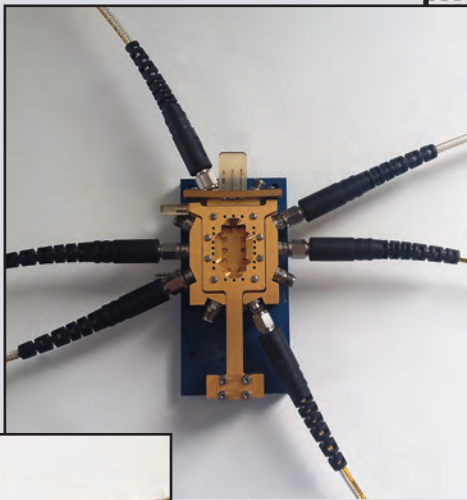
# SilverLine<sup>®</sup>-XF (Extra Flex)

ISO 9001 Certified

## Coaxial Test Cables

- 36% Smaller Diameter
- Improved Flexibility
- RF Stable With Flexure
- Triple Shielded, 18 GHz Operation
- **Linear Phase Change From 0° to 30°C**
- Injection-Molded Strain Relief

Now Available  
in a  
High Temperature  
Version!



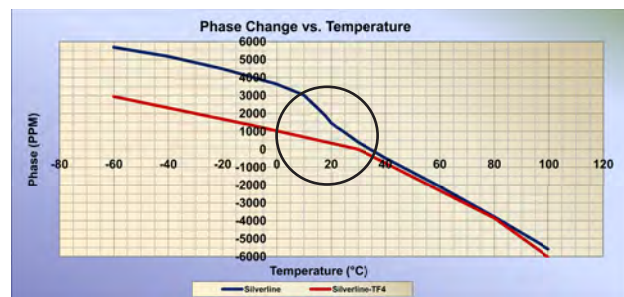
Test fixture photo courtesy of Inter-Continental Microwave [www.icmicrowave.com](http://www.icmicrowave.com)

SilverLine<sup>®</sup>-XF was designed for testing delicate components such as exposed RF circuits with edge launch connectors. Thin, lightweight and flexible this coax makes handling PC boards easy yet does not compromise RF stability and isolation. Using Times' proprietary TF4 dielectric SilverLine<sup>®</sup>-XF goes one step further, exhibiting linear phase change from 0°C to +30°C (see graph).

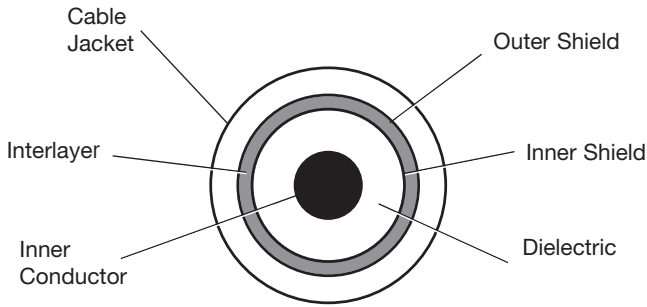
SilverLine<sup>®</sup>-XF uses the same robust, proven connector attachment system that has made SilverLine<sup>®</sup> the preferred choice in RF test labs everywhere. A new injection-molded strain relief system designed to match the cable's flexibility assures the cable will bend tightly but not fail prematurely behind the connector.

- Popular Lengths & Configurations in Stock (visit [timesmicrowave.com/silverline-products/](http://timesmicrowave.com/silverline-products/))

 **TIMES** MICROWAVE SYSTEMS  
An Amphenol Company



# SilverLine<sup>®</sup>-XF



## Cable Construction

**Inner Conductor:** Solid silverplated copper clad steel

**Dielectric:** Solid TF-4

**Shield:** Silver-plated copper flat ribbon braid, aluminum-polyimide tape interlayer, silver-plated copper round wire braid, (90%k)

**Jacket:** Clear polyurethane (HT version = FEP)

## Connectors:

- Stainless steel
- Solder/Clamp attachment
- Captive contact construction

\* Mating life assumes the use of a calibrated torque wrench, interfaces are clean and within mil specs limits.

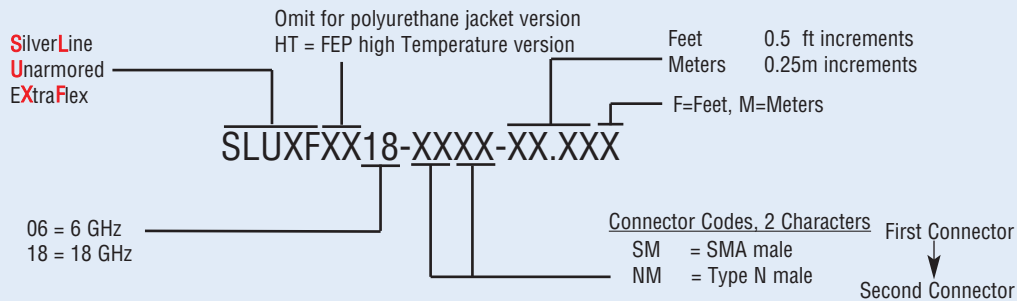
Specifications subject to change without notice.

Mechanical Specifications		
Dimensions	in	mm
Outside Diameter	0.150	3.80
Minimum Bend Radius	0.75	19
Mating Life Cycle	>5000*	
Temperature Range	-67°/+185°C (HT = +257°F) -55°/+85°C (HT = +125°C)	
Electrical Specifications		
VSWR through 18 GHz	1.25:1 typ, 1.30:1 max	
Impedance	50 Ohms	
Velocity of Propagation	70%	
Shielding Effectiveness	>100 dB	
Capacitance	28.8 pf/ft (94.4 pf/m)	
Phase Stability ** (75,000 cycles)	+/-3° @ 18 GHz	
Attenuation, max @77°F (25°C)		
	Frequency (GHz)	dB/100 ft (dB/100 m)
	1	16 (52)
	2	24 (79)
	6	43 (141)
	12	64 (210)
	18	81 (257)
Attenuation at any frequency formula: $0.49656 \cdot \sqrt{f} + 0.0007989 \cdot f$ (f=freq in MHz)		



\*\* Phase stability data IAW Times' phase/flex test criteria as demonstrated above. A brand new cable can have a break-in period of several hundred flexes.

## Ordering Information



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