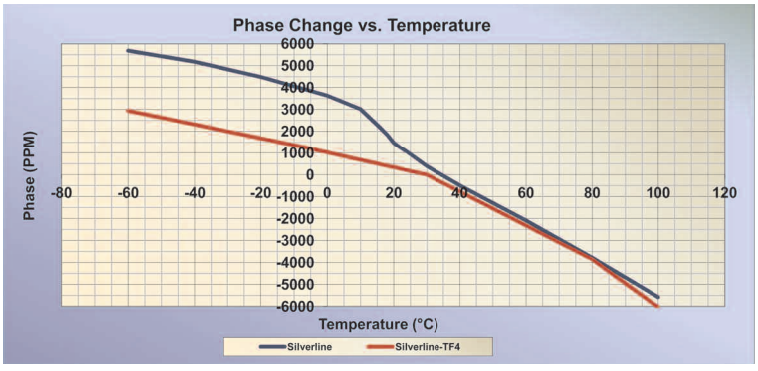
SilverLine®-TT

ISO 9001 Certified

Coaxial Test Cables For:

- *RF Testing From 0° C to +30° C*
- *Phase Critical RF/Microwave Measurement*
- *Research and Development*

SilverLine®-TT features solid TF-4™ dielectric. This proprietary dielectric exhibits smaller and more linear phase change at normal ambient temperatures of 0° C to + 30° C, when compared to solid PTFE. Although somewhat improved phase performance can be achieved using foam, taped or spline dielectrics, ruggedness is sacrificed and the phase performance achieved is not as good as the SilverLine®-TT. The graph below compares solid PTFE to solid TF-4™.



Features & Benefits

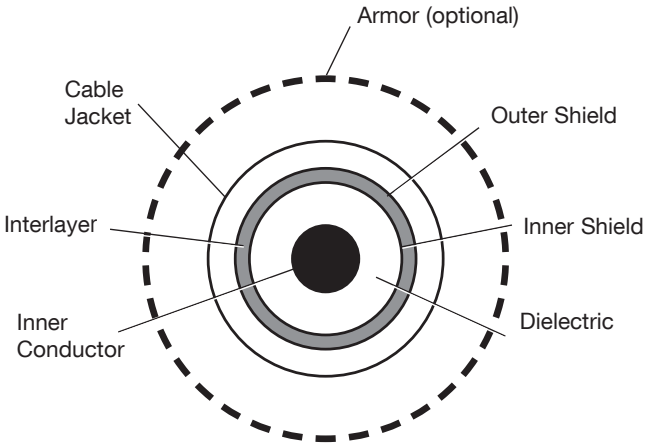
- Less and Linear Phase Change From 0° C to + 30° C
- Stainless Steel Connectors
- Ruggedized Cable/Connector Interface
- ROHS Compliant

Time's *Silverline*® Product Guarantee

Times will repair or replace your SilverLine test cable at its option if the connector attachment fails within four months of shipment. This guarantee excludes cable or

TIMES MICROWAVE SYSTEMS
An Amphenol Company

SilverLine®-TT



Cable Construction

Inner Conductor: Solid silver plated copper

Dielectric: Solid TF-4™

Shield: Silver-plated copper flat ribbon braid aluminum-polyimide tape interlayer 36 GA silver-plated copper round braid (90%k)

Jacket: Clear FEP

Armor: Optional

Steel Style: 100% coverage, square locked, galvanized steel hose, high angle steel braid and high temp TPR jacket

Connectors

- Stainless steel construction
- SMA and Type N OneTurn™ options

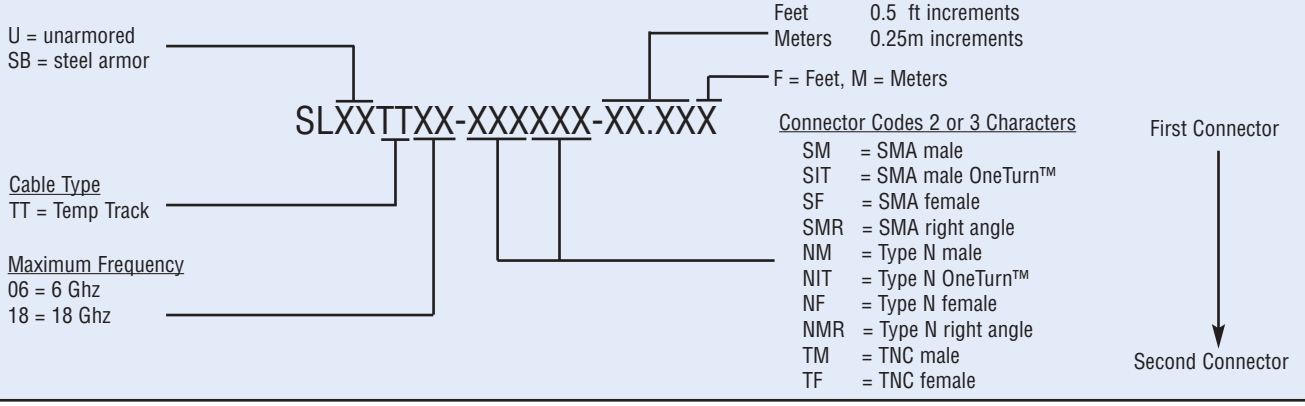
* SMA and Type N mating life assumes the use of a calibrated torque wrench, interfaces are clean and within mil spec limits.

**Specifications subject to change without notice.*

Mechanical Specifications		
Dimensions	in	mm
Outside Diameter	0.195	4.95
Armor (optional)	0.450	11.50
Minimum Bend Radius (unarmored)	1	25
Connector Retention	>175 lbs (unarmored) 300 lbs (armored)	
Crush Resistance (armored)	1500 lbs per linear inch	
Mating Life Cycle	>5000*	
Temperature Range (unarmored limited by strain relief)	Unarmored: - 67° / + 221° F (- 55° / +105° C)	

Electrical Specifications			
VSWR Max		6 Ghz	18 Ghz
	SMA, Type N, TNC	1.25:1	1.30:1
	SMA r/a, Type N, r/a	1.30:1	1.35:1
Impedance		50 Ohms	
Velocity of Propagation		70%	
Shielding Effectiveness		>100 dB	
Capacitance		29.0 pf/ft (95.1 pf/m)	
Phase Stability (ten,180° reverse bends)		DC - 6 Ghz: +/- 2.5° > 6 - 18 Ghz: +/- 6°	
Phase change from 0° to + 30° C		35 ppm/deg C +/-10 ppm/deg C	
Attenuation, max @77°F (25°C)			
Frequency (Ghz)		dB/100 ft	(dB/100 m)
1		12	(40)
2		18	(59)
6		35	(115)
12		53	(174)
18			
Cable Power Handling @77°F (25°C) sea level, watts, (max)			
Frequency Ghz			
1		444	
2		304	
6		163	
12		108	
18		86	

Ordering Information



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