



# Phase/Temp Stable RF Test Cables

## TSA29 Series

### 3.5mm, SMA, Type-N & TNC Connectors

Frequency DC-27GHz  
 Low VSWR, Low Loss  
 Light Weight  
 0.160" Dia Cable  
 Stainless Steel Connectors.  
 Rugged Interface Termination



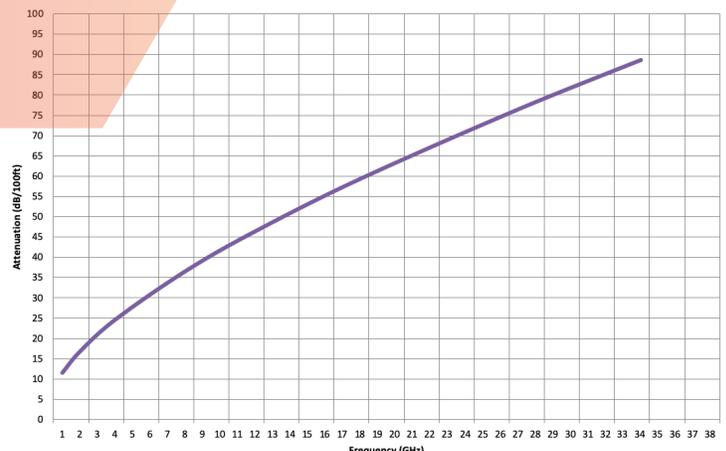
Characteristic	6GHz	18GHz	27GHz
Impedance	50 Ohms		
VSWRmax	1.15:1	1.30:1	1.35:1
Attenuation (Cable Only)	0.32dB/ft	0.60dB/ft	0.77dB/ft
Phase Stability (Typical)	±3°	±5°	±6°
Phase Change (Typical across temp range)	0.2°/ft/GHz(450ppm)		
Max Power	145W	88W	72W
Minimum Bend	2in.(50mm)		
Velocity of Prop.	83%		
Capacitance	24.4pf/ft		
Shielding	90dB/ft		
Temp Range	-55°C to 125°C		

ConductRF's TSA29 series is built using our new Phase Stable over Temperature cable construction. With a Solid connector termination area, these cables are the perfect solution for Chamber Testing. The double shielding provides better than 90dB thru' 18GHz. Rugged Stainless Steel connector terminations using SMA, Type-N and TNC are the standard, but we can also support SMP, MCX and other common interfaces.

Each cable is serialized and all cables are 100% tested for performance verification before shipping. Standard length options are available in inches, feet, meters and centimeters.

Options for R/A Configurations can also be provided with modified performance criteria. Extended Frequency SMA & 3.5mm versions to 27GHz maintain VSWR better than 1.35:1 are available. Nomex Weave coverings can be applied to extend life in high wear environments.

Cable Attenuation



TSA29-S1S1-F05

XXX29-XYZ-YYY

XXX  
 TSA = Standard 18GHz Version  
 TSX = Extended 27GHz Option  
 WSA = Nomex Weave Protected 18GHz

Y  
 S = SMA  
 N = Type-N  
 T = TNC  
 E = 3.5mm

Z  
 1 = Straight Male  
 F = Straight Female

YYY  
 FYY = Length in Ft(F06 = 6ft)  
 SYY = Length in In.(S18 = 18")  
 YMY = Length in M(2M5 = 2.5m)  
 CYY = Length in CM(C50 = 50cm)