

# TSA89

- 40GHz SOLUTIONS
- LOW LOSS/VSWR
- DOUBLE SHIELDED
- RUGGED COVER
- LIGHT WEIGHT



## TESTeLINK RF Cables



### High Frequency Rugged Test Cables

SMA, Type-N, 3.5mm, 2.92mm, & 2.4mm

#### Performance;

- Phase Stable Testing  $\pm 4$  Deg to 40GHz
- Amplitude stable to  $\pm 0.1$ dB to 40GHz
- Max Power 50W @ 40GHz
- Cable Attn.  $< 0.68$ db/ft @ 40GHz
- Low VSWR  $< 1.35:1$  (Typical  $< 1.25:1$ )
- Flex Life over 40,000 Cycles
- Operating Temp.  $-55^{\circ}\text{C}$  to  $125^{\circ}\text{C}$



#### Material Specifications;

##### Cable

Jacket OD -  $\varnothing 0.195$ "( $\varnothing 5$ mm)  
 Shielding  $\geq 100$ dB  
 Min.Bend r = 1.2"(r=30mm)  
 Rec.Flex -  $\varnothing 4.0$ "( $\varnothing 100$ mm)  
(Recommended Min. Flex  $\varnothing$  for Optimum Performance)

##### Connectors

Housings - Stainless Steel  
 Dielectrics - Teflon  
 Contacts - Beryllium Copper  
 Mating Cycles  $> 500$   
(Cross Threading & Excess Tightening Diminishes Mating Life)

### Configuration Chart

TSA89-D1D1-S24

TSA89-YYZZ-YYY

#### YYZZ = Connector Options

2.4mm Male (50GHz) = C1  
 2.4mm Female (50GHz) = CF  
 2.92mm Male (40GHz) = D1  
 2.92mm Female (40GHz) = DF  
 3.5mm Male (32GHz) = E1  
 3.5mm Female (32GHz) = EF  
 SMA Male = S1  
 SMA Female = SF  
 Type-N male = N1  
 Type-N Female = NF

#### YYY = Length Options

FYY = Length in Feet(F06 = 6ft)  
 SYY = Length in Inches(S18 = 18")  
 YMY = Length in Meters(2M5 = 2.5m)  
 CYY = Length in Centimeters(C30 = 30cm)