



TSA80 & TSX80 RF Test Cables

Phase Stable, Low Loss Solutions

TSA80(18GHz) & TSX80(27GHz)

Optimized Performance for DC to 27GHz
Excellent Phase Stability
Stainless Steel Connector Interfaces
Triple Shielded Cable
Stable VSWR & Loss
Available with Armored Construction
Ideal for Dynamic Testing Requirements
Ideal for Testing across Temperature Ranges



| Characteristic | 18GHz | 27GHz |
|--------------------------|-------------------|---------|
| VSWR _{max} | 1.30:1 | 1.35:1 |
| IL _{max} (1ft) | 1.078dB | 1.369dB |
| IL _{max} (3ft) | 2.580dB | 3.315dB |
| IL _{max} (0.5M) | 1.559dB | 1.992dB |
| IL _{max} (1.0M) | 2.791dB | 3.588dB |
| Max Power | 70W | 50W |
| Phase Change | +/- 2Deg to 18GHz | |
| Minimum Bend | 1.00" | |
| Velocity of Prop. | 70% | |
| Capacitance | 29.4pF/ft | |
| Shielding | > 100dB | |
| Temp Range | -65°C to 125°C | |

Images for illustration only, Data subject to change. Performance measured at 25C.

ConductRF's TSX80 & TSA80 Series has been designed to support a wide range of RF Test applications. With outstanding Phase and Amplitude stability and an excellent Low Loss rugged construction, these cables are proven to bare the brunt of a heavy test work-load.

TSX80 styles come with our Extended Frequency SMA's that allow excellent VSWR & Loss performance up to 27GHz. Connectors options also include 3.5mm, 2.92mm and 2.4mm Interfaces. For 18GHz applications, our TSA80 series offers users SMA, Type-N & TNC solutions. Other variants including BNC & QMA are available by request.

A long flex life cable and a rugged connector termination will make these your favorite Test Cable. Armoring options are also available to provide additional features like crush resistant conduit with built in anti-torsional connector heads. These test cables are perfect for most applications in the DC to 27GHz range.

TSX80-S1S1-F06

XXX80-YYZY-YYY

XXX
TSX = FEP Jacket(27GHz)
ASX = Armored(27GHz)
WSX = Nomex Weave(27GHz)
TSA = FEP Jacket(18GHz)
ASA = Armored(18GHz)
WSA = Nomex Weave(18GHz)

Y
C = 2.4mm
D = 2.92mm
E = 3.5mm
S = SMA
N = Type-N
T = TNC

Z
1 = Straight Male
F = Straight Female
2 = R/A Male
3 = Bulkhead 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)

