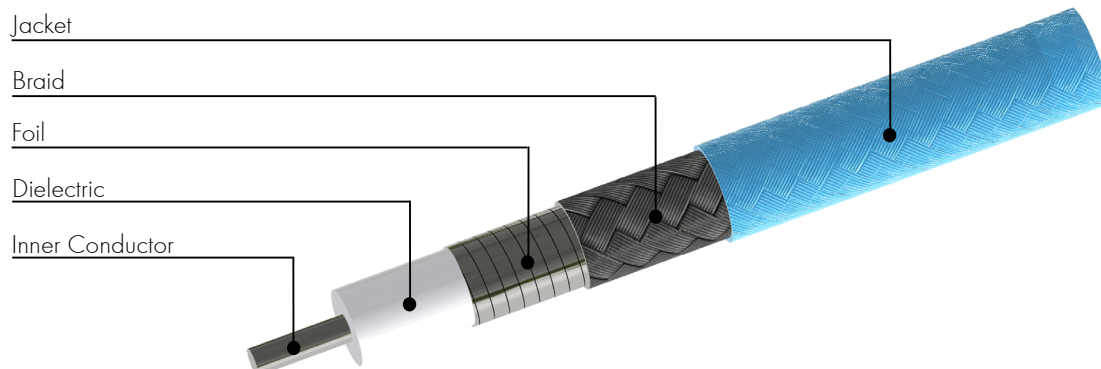


Multi Purpose RF/Microwave Test Cable

MP533A



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Solid, Silver Plated Copper (SPC)	-
Dielectric	Low Density PTFE (Low Density Polytetrafluoroethylene)	-
Foil	Copper, Silver plated	-
Braid	Copper, Silver plated	-
Jacket	FEP (Fluorinated Ethylene Propylene)	5.33 mm [.210 inch]

Electrical Data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Capacitance	86.0 pF/m
Velocity of signal propagation	80 %
Signal delay	4.30 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M Ω /m
Screening effectiveness	≥ 100 dB (up to 18 GHz)
Operating Voltage Max. (Vrms @ 60 Hz)	≤ 1.9 kVrms (@ sea level)
Phase Stability vs Bending*	$\pm 3.0^\circ$ typ/ $\pm 6.5^\circ$ max
Amplitude Stability vs Bending*	± 0.1 dB typ/ ± 0.2 dB max

* according to IEC60966-1, wrapped 360° around a mandrel of 57 mm (2.25 in) radius

Mechanical Data

Weight	66 g/m
Min. bending radius	9.65 mm [.380 inch]
Flexures	≥ 10000

Environmental Data

Temperature range	-55°C to +165°C
RoHS (2011/65/EU)	compliant

Typical Attenuation

Frequency (GHz)	Typical Attenuation (dB/m) @ 25°C sea level	Typical Attenuation (dB/ft) @ 25°C sea level	Max. CW power (Watt) @ 20°C sea level
1	0.26	0.08	960
10	0.94	0.29	248
18	1.18	0.36	190
26.5	1.47	0.45	155