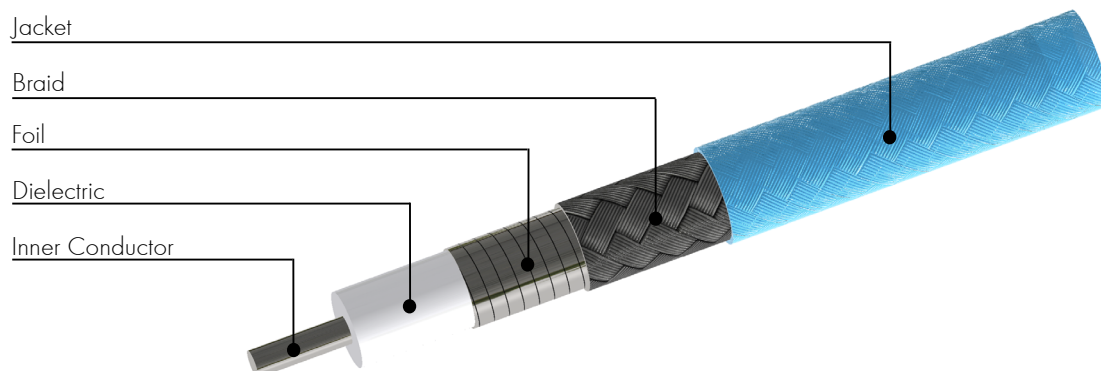


Multi Purpose RF/Microwave Test Cable

MP533B



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Silver Plated Copper Wire (SPC) 19 Stranded Wire	5.33 mm [.210 inch]
Dielectric	Low Density PTFE (Low Density Polytetrafluoroethylene)	
Foil	Copper, Silver plated	
Braid	Copper, Silver plated	
Jacket	FEP (Fluorinated ethylene propylene)	

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)
Amplitude Stability vs Bending*	± 0.1 dB typ/ ± 0.2 dB max
Phase Stability vs Bending*	$\pm 3.0^\circ$ typ/ $\pm 6.5^\circ$ 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	≥ 100000

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	0.29	0.09	780
10	0.97	0.30	248
18	1.25	0.38	170
26.5	1.57	0.48	145
33	1.95	0.59	