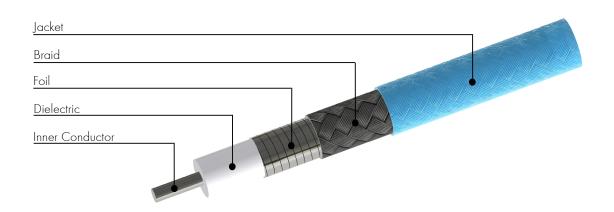


Technical Data Sheet

(Available as cable assembly only)

Multi Purpose RF/Microwave Test Cable

MP533B



Material	And	Diameter
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Connector parts	Material	Diameter
Inner Conductor	Silver Plated Copper Wire (SPC) 19 Stranded Wire	
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

DC to 26.5 GHz Frequency Capacitance 86.0 pF/m Velocity of signal propagation 80 % Signal delay 4.30 ns/m $\geq 1 \times 10^8 M\Omega/m$ Insulation resistance Screening effectiveness ≥ 100 dB (up to 18 GHz)

≤ 1.9 kVrms (@ sea level) Operating Voltage Max. (Vrms @ 60 Hz) Amplitude Stability vs Bending* ± 0.1 dB typ/ ± 0.2 dB max $\pm 3.0^{\circ}$ typ/ $\pm 6.5^{\circ}$ max Phase Stability vs Bending*

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

Mechanical Data

Weight $66 \, \text{g/m}$

Min. bending radius 9.65 mm [.380 inch]

≥ 100000 Flexures

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	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.	Kev.:-	Rosnol RF/Microwave Technology Co., Ltd.	Page
In the effort to improve our products, we reserve the right to make changes		www.rosnol.com; info@rosnol.com Phone: +886-3-463-5095 / Fax: +886-3-463-5952	1 /1
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