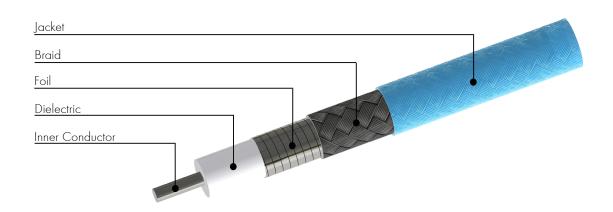


Technical Data Sheet

(Available as cable assembly only)

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 50Ω

FrequencyDC to 26.5 GHzCapacitance86.0 pF/mVelocity of signal propagation80 %Signal delay4.30 ns/mInsulation resistance≥ 1 x 108 MΩ/mScreening effectiveness≥ 100 dB (up to 18 GHz)

Operating Voltage Max. (Vrms @ 60 Hz) \leq 1.9 kVrms (@ sea level) Phase Stability vs Bending* \pm 3.0° typ/ \pm 6.5° max \pm 0.1 dB typ/ \pm 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

	The facts and figures herein are carefully compiled to the best of our	KOV.	Rosnol RF/Microwave Technology Co., Ltd.	Page
	knowledge, but they are intended for general informational purposes only.		www.rosnol.com; info@rosnol.com	1
	In the effort to improve our products, we reserve the right to make changes $% \left\{ 1,2,,n\right\}$	Date:	Phone: +886-3-463-5095 / Fax: +886-3-463-5952	1 /1
	judged to be necessary.		N-CAGE Code: SFKK0 / ISO9001 Certified	1/1