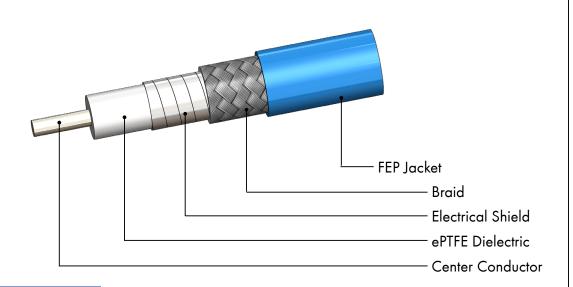


Technical Data Sheet

(Available as cable assembly only)

R-Test Multi Purpose Ultra Low Loss Coaxial Cable DC-110 GHz Attenuation: 12.3dB/m @ 110GHz

MP154A1



Material And Diameter

Connector parts	Material	Diameter
Center Conductor	Solid, Silver Plated Copper (SPC)	
Dielectric	ePTFE (Expanded Polytetrafluoroethylene)	
Electrical Shield	Copper, Silver plated	
Braid	Copper, Silver plated	
Jacket	FEP (Fluorinated ethylene propylene)	1.54 mm (.061 inch)

Electrical Data

Impedance 50Ω

Frequency DC to 110 GHz Capacitance 81 pF/m Velocity of signal propagation 80 % Signal delay N/A Screening effectiveness ≥ 90 dB Operating Voltage Max. (Vrms @ 60 Hz) N/A Power Handling See chart ±8° Phase Stability vs Bending

 $\pm 0.08 dB$

Mechanical Data

Amplitude Stability Vs. Bending

Weight N/A
Min. bending radius 6 mm

Environmental Data

Temperature range $-55\,^{\circ}\text{C}$ to $+165\,^{\circ}\text{C}$ RoHS (2011/65/EU) compliant

	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	· ·
	In the effort to improve our products, we reserve the right to make changes		Phone: +886-3-463-5095 / Fax: +886-3-463-5952	1/2
l	judged to be necessary.	JUN/25/2025	N-CAGE Code: SFKK0 / ISO9001 Certified	1/2

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



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pical Attenuation						
Frequency (GHz)	Typical Attenuation (dB/m) @ 20°C sea level	Typical Attenuation (dB/ft) @ 20°C sea level	Max. CW power (Watt) @ 20°C sea level			
]	1.07	0.325	33			
3	1.87	0.570	19			
6	2.66	0.810	13			
10	3.46	1.055	12			
12	3.90	1.188	11			
18	4.70	1.432	8.5			
26.5	5 <i>.</i> 75	1. <i>7</i> 49	6			
40	7.14	2.174	5			
50	8.04	2.448	4			
67	9.40	2.864	4			
110	12.3	3.748	3			