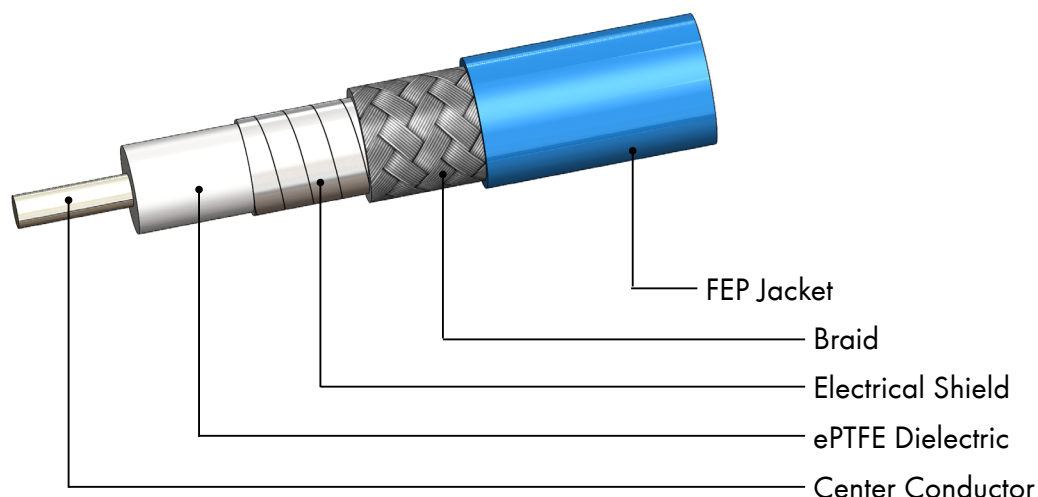


R-Test Multi Purpose Ultra Low Loss Coaxial Cable
DC-110 GHz Attenuation: 12.3dB/m @ 110GHz

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	50 Ω
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
Phase Stability vs Bending	$\pm 8^\circ$
Amplitude Stability Vs. Bending	± 0.08 dB

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

Mechanical Data

Weight	N/A
Min. bending radius	6 mm

Environmental Data

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

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Typical 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	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	5.75	1.749	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