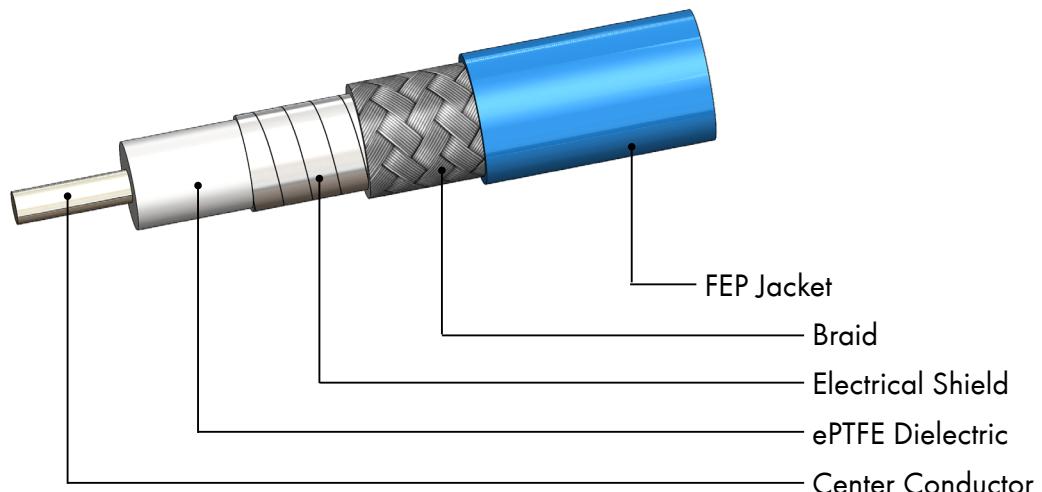


R-Test Multi Purpose Ultra Low Loss Coaxial Cable

DC-110 GHz Attenuation: 14.9dB/m @ 110GHz

MPUL170A1

Cable Construction



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)	1.7 mm (.067 inch)

Electrical Data

Impedance	50 Ω
Frequency	DC to 110 GHz
Capacitance	81 pF/m
Velocity of signal propagation	N/A
Signal delay	N/A
Screening effectiveness	≥ 90 dB
Operating Voltage Max. (Vrms @ 60 Hz)	N/A
Power Handling	See chart
Phase Stability vs Bending*	N/A

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

Mechanical Data

Weight	N/A
Min. bending radius	N/A

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	1.17	0.36	27
3	2.07	0.63	16
6	2.99	0.911	13
10	3.94	1.20	12
12	4.34	1.32	11
18	5.39	1.64	7
26.5	6.5	1.98	6
40	8.3	2.53	5
50	9.2	2.80	4.5
67	11.0	3.35	4
110	14.9	4.54	3