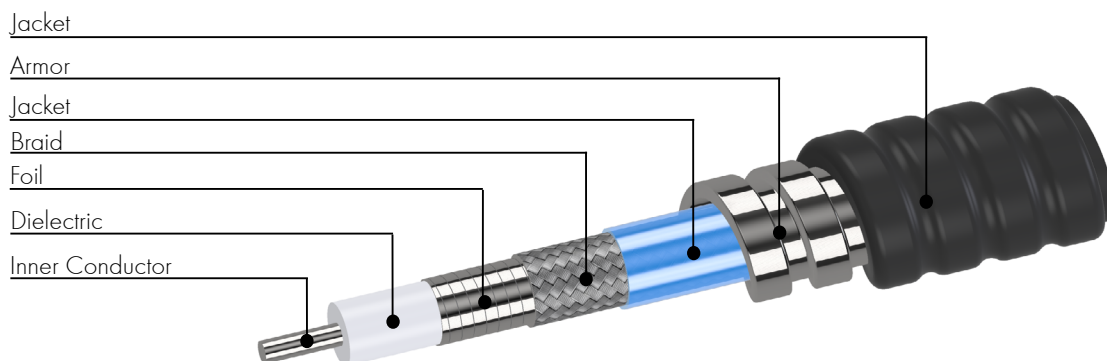


Multi Purpose RF/Microwave Test Cable With Armor

MP841A-AM



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Solid, Silver Plated Copper (SPC)	14.35 mm [.565 inch]
Dielectric	Low Density PTFE (Low Density Polytetrafluoroethylene)	
Foil	Copper, Silver plated	
Braid	Copper, Silver plated	
Jacket	FEP (Fluorinated ethylene propylene)	
Armor	Stainless Steel, Passivate plated	
Jacket	PVC (Polyvinyl Chloride)	

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
Capacitance	86.0 pF/m
Velocity of signal propagation	80 %
Insulation resistance	$\geq 1 \times 10^8$ M Ω /m
Screening effectiveness	≥ -100 dB (@ 1 GHz)
Operating Voltage Max. (Vrms @ 60 Hz)	≤ 3.8 kVrms (@ sea level)
Phase Stability vs Bending*	$\pm 2^\circ$ typ/ $\pm 4.5^\circ$ max
Amplitude Stability vs Bending*	± 0.1 dB typ/ ± 0.2 dB max

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

Mechanical Data

Weight	141 g/m
Min. bending radius	32.3 mm (1.27 in)
Flexures	5000

Environmental Data

Temperature range	-55°C to +200°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) @ 25°C sea level
0.5	0.13	0.04	2404
1	0.19	0.06	1700
3	0.33	0.10	981
5	0.43	0.13	760
6	0.48	0.15	694
10	0.63	0.19	538
18	0.87	0.27	401