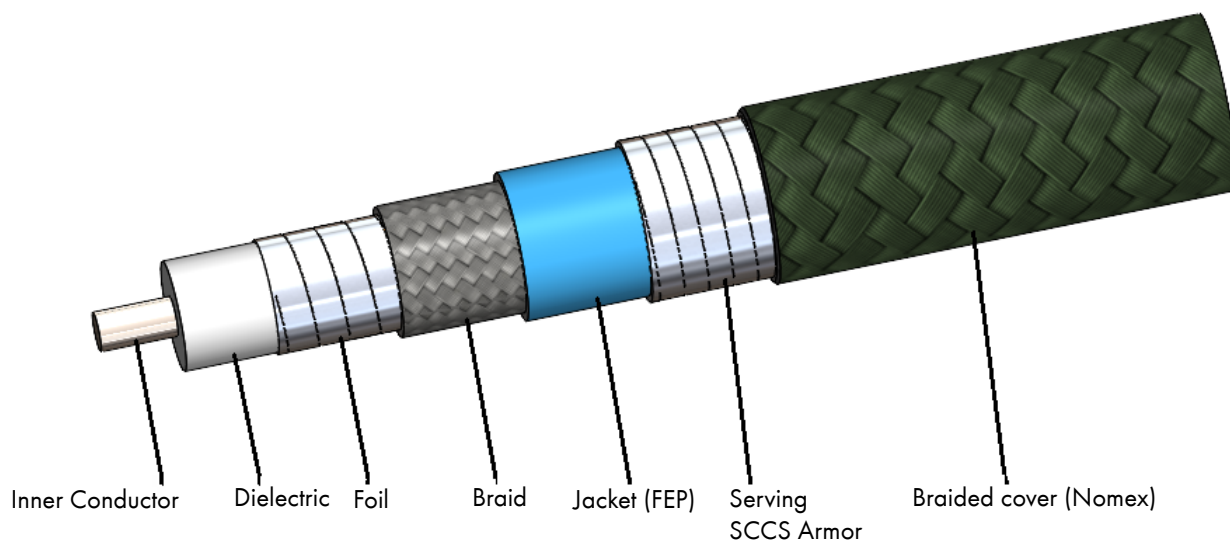




## MilTest High Performance RF/Microwave Cables

### MT574A



#### Material And Diameter

Connector parts	Material	Diameter
Inner conductor	Solid, Silver Plated Copper (SPC)	5.74 mm (0.226 inch)
Dielectric	EPTFE (Expanded Polytetrafluoroethylene)	
Foil	Copper, Silver plated	
Braid	Copper, Silver plated	
Jacket	FEP (Fluorinated ethylene propylene)	
Serving SCCS Armor	PTFE Binder	
Braided cover	Nomex	

#### Electrical Data

Impedance	50 $\Omega$
Frequency	DC to 32 GHz
Capacitance	7.31 pF/m
Velocity of signal propagation (nominal)	84 %
Signal delay	0.37 ns/m
Screening effectiveness	$\geq 90$ dB (up to 18 GHz)
Power Handling	See chart
RF Leakage	$>100$ db to 18 GHz

#### Mechanical Data

Weight	N/A
Min. bending radius	31.75 mm

## MilTest High Performance RF/Microwave Cables

### MT574A

#### Environmental Data

Temperature range -65°C to +200°C  
RoHS (2011/65/EU) compliant

#### 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
0.5	0.18	0.06	1044
1	0.26	0.08	800
2	0.37	0.11	550
4	0.53	0.16	400
6	0.66	0.2	320
8	0.77	0.23	290
10	0.86	0.26	250
12	0.95	0.29	220
14	1.03	0.31	210
16	1.11	0.34	200
18	1.18	0.36	195
20	1.25	0.38	190
22	1.32	0.40	185
24	1.38	0.42	180
26	1.45	0.44	175
28	1.51	0.46	170
30	1.56	0.48	160
31	1.59	0.49	155
32	1.62	0.49	150