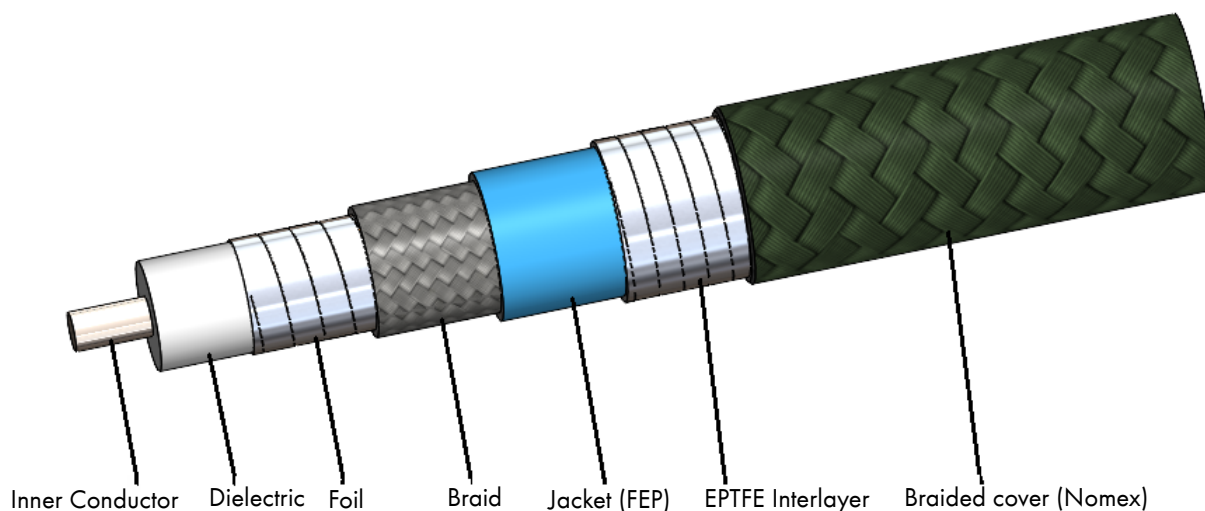


MilTest High Performance RF/Microwave Cables

MT700A



Material And Diameter

Connector parts	Material	Diameter
Inner conductor	Solid, Silver Plated Copper (SPC)	6.98 mm (0.275 inch)
Dielectric	EPTFE (Expanded Polytetrafluoroethylene)	
Foil	Copper, Silver plated	
Braid	Copper, Silver plated	
Jacket	FEP (Fluorinated ethylene propylene)	
Interlayer	EPTFE (Expanded Polytetrafluoroethylene)	
Braided cover	Nomex	

Electrical Data

Impedance	50 ± 2 Ω
Frequency	DC to 26.5 GHz
Capacitance	79.4 pF/m
Velocity of signal propagation (nominal)	84 %
Signal delay	3.97 ns/m
Screening effectiveness	> 90 dB (up to 26.5 GHz)

Mechanical Data

Weight	N/A
Min. bending radius	25.4 mm

Environmental Data

Temperature range	-65°C to +200°C
RoHS (EU 2015/863)	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
0.5	0.14	0.04	1265
1	0.20	0.06	1100
2	0.29	0.09	800
4	0.42	0.13	520
6	0.52	0.16	450
8	0.60	0.18	380
10	0.68	0.21	350
12	0.75	0.23	310
14	0.82	0.25	300
16	0.88	0.27	280
18	0.94	0.29	270
20	1.00	0.30	250
22	1.05	0.32	230
24	1.10	0.34	220
25	1.13	0.34	215
26.5	1.17	0.36	210