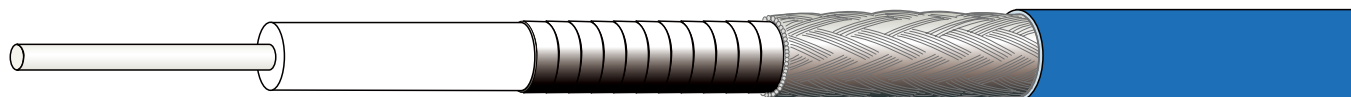




Multi Purpose Ultra Low Loss
RF/Microwave Test Cable

MPUL503A



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Silver Plate Cooper	1.29 mm (.0508 inch)
Dielectric	EPTFE	3.55 mm (.014 inch)
Foil	Silver Plate Cooper	3.7 mm (.146 inch)
Braid	Silver Plate Cooper	4.2 mm (.166 inch)
Jacket	FEP	4.9 mm (.193 inch)

Electrical Data

Impedance	50 Ω
Frequency	DC to 32 GHz
Capacitance	7.46 pF/m
Velocity of signal propagation	83 %
Signal delay	0.37 ns/m
Shielding effectiveness up to 32 GHz	> 90 dB

Mechanical Data

Weight	55 g/m
Min. bending radius	19 mm

Environmental Data

Temperature range	-65°C to +200°C
RoHS (2002/95/EC)	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
1	0.26	0.08	800
4	0.54	0.163	400
8	0.78	0.234	290
12	0.96	0.29	220
18	1.2	0.361	195
26.5	1.47	0.441	175
32	1.64	0.494	150