

Multi Purpose Ultra Low Loss RF/Microwave Test Cable

MPUL580B

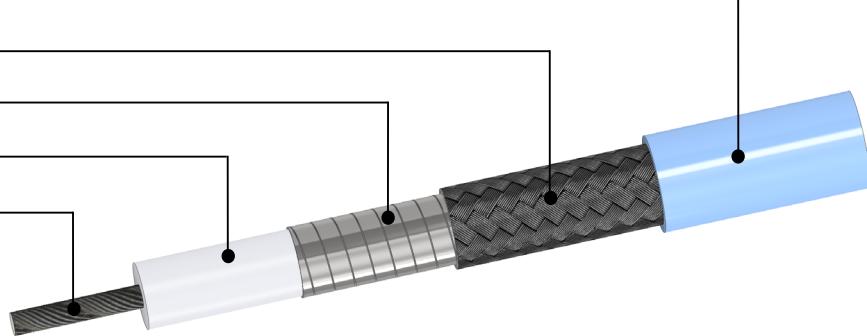
Jacket

Braid

Foil

Dielectric

Inner Conductor



Material And Diameter

Connector parts	Material	Diameter
Inner conductor	Stranded, Silver Plated Copper (SPC)	
Dielectric	EPTFE (Expanded Polytetrafluoroethylene)	
Foil	Copper, Silver plated	
Braid	Copper, Silver plated	
Jacket	FEP (Fluorinated ethylene propylene)	5.8mm (0.230 inch)

Electrical Data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Capacitance	7.31 pF/m
Velocity of signal propagation	83 %
Signal delay	0.37 ns/m
Shielding effectiveness up to 32 GHz	> 90 dB

Mechanical Data

Weight	72 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	0.2	0.061	982
4	0.41	0.125	464
8	0.59	0.180	339
12	0.74	0.224	277
18	0.92	0.280	241
26.5	1.14	0.347	N/A