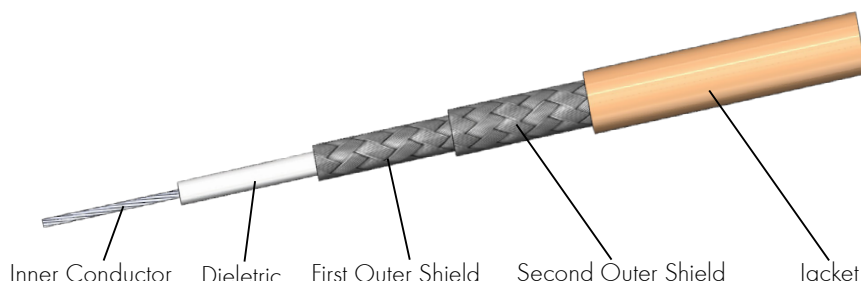




**RG178D Coaxial Cable Double Shielded, 50Ω, 6 GHz, 165°C,
ø2.3 mm, FEP jacket**

RG-178D



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Silver-Plated Copper Clad steel	7/0.102 mm (.004 inch)
Dielectric	PTFE	0.86 mm (.034 inch)
First Outer Shield	Silver-Plated Copper Wire Braiding	1.30 mm (.051 inch)
Second Outer Shield	Silver-Plated Copper Wire Braiding	1.70 mm (.067 inch)
Jacket	FEP	2.30 mm (.091 inch)

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
Capacitance	98 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Screening effectiveness	> 70 dB (up to 1 GHz)
Voltage with stand(AC)	1.5(1 min) (kVrms)

Mechanical Data

Weight	13.8 g/m
Min. bending radius	11 mm (Static)

Environmental Data

Temperature range	-65°C to +165°C
Operating temperature range	-65°C to +150°C
RoHS	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
0.1	0.58	0.18	225
0.4	1.05	0.32	115
0.9	1.58	0.48	72
1.0	1.68	0.51	68
1.8	2.24	0.68	47
2.4	2.59	0.79	40
3.0	2.91	0.89	34
6.0	4.13	1.26	23