

TECHNICAL DATA SHEET

RoHS
Compliant

RG178 COAXIAL CABLE

MODEL: PELB0440

APPLICATION

This RG178 coaxial cable, has a silver-plated, copper-clad steel conductor, PTFE insulation and silver-plated copper braid and FEP sheath. Used in radio frequency applications, wireless communication and broadcast equipment, or where an extreme range of temperature is expected.



STANDARDS

MIL-DTL-17

CONSTRUCTION

Conductor	Material	Silver-plated, copper-clad steel
	Construction	7/0.102mm
Insulation	Material	PTFE
	OD	0.86mm
Braid	Material	Silver-plated copper
	Diameter	1.30mm
Jacket	Material	FEP
	OD	1.83mm
	Colour	Brown
Packaging	Length	100m

CHARACTERISTICS AT 20°C

Nominal capacitance	98pF/m
Impedance	50±2Ω
Velocity Ratio	70%
Voltage with Stand	1.5AC/kVrms (1min.)
Shielding Effect	>60 (0-1G)

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MECHANICAL CHARACTERISTICS

Min. Bending Radius (static)	10mm
Operating Temperature	-65 to +150°C

ATTENUATION AT 20°C AND SEA LEVEL, POWER

Frequency	Nominal Attenuation	Power
0.1GHz	0.58dB/m	225W
0.4GHz	1.05dB/m	115W
0.9GHz	1.58dB/m	72W
1.0GHz	1.68dB/m	68W
1.8GHz	2.24dB/m	47W
2.4GHz	2.59dB/m	40W
3.0GHz	2.91dB/m	34W
6.0GHz	4.13dB/m	23W

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