Drawings and Specifications

75 Ohm BNC Connectors

Straight BNC Connectors

ELECTRICAL

Characteristic Impedance:	75 Ohm
Voltage Rating:	1000 Volts RMS
Insertion Loss:	< 0.6 dB 1 MHz to 1 GHz (measured with 1 meter of 728 cable)
Return Loss:	Better than 35 dB to 1 GHz; 30 dB to 2 GHz; 26 dB to 3 GHz
Contact Resistance:	.030 Ohm maximum change post environmental
Insulation Resistance:	200 megohms minimum change

MECHANICAL

Mechanical Durability:	500 cycles minimum
Center Contact Retention:	6 lbs. minimum
Coupling Mechanism:	100 lbs. minimum
Cable Pulloff Force:	Dependent on cable size
Cable Bend and Twist:	500 cycles minimum
Force to Engage/Disengage:	Torque 2.5 in/lb maximum; longitudinal force 3 lbs. maximum
Interface Dimension:	MIL-C-39012 except 75 Ohm

ENVIRONMENTAL

Thermal Shock:	-40°C to 65°C operating; -55°C to 85°C, non-operating
Moisture Resistance:	0% to 95%; MIL-STD-202 Method 106
Corrosion (Salt Spray):	MIL-STD-202 Method 101, Test Condition B
Flammability:	UL 94-VO rated (center conductor insulator)
Vibration:	MIL-STD-202 Method 201
Solvent Resistance:	MIL-STD-202 Method 215

FINISH

Body/Bayonet:	Tarnish-resistant electroless nickel plating
Center Conductor:	50 millionths inch gold plating MIL-G-45204 Type 1, Grade C, Class 1; requires .042" crimp station die