



BNC 75Ω

CHARACTERISTICS

TEST / CHARACTERISTICS	STANDARD REFERENCE	VALUES / REMARKS
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ELECTRICAL CHARACTERISTICS

Impedance	-	75Ω
Frequency Range	-	DC - 1.5 GHz
V.S.W.R. max	-	1.30
• Straight Models Cable Group: 2.6/75, 5/75, 6/75, 8/75, 10 + 11/75	-	1.35
• Right Angle Models: 2.6/75, 6/75	-	
Insertion Loss	MIL	0.2 dB max at 1 GHz
• Straight Connector		0.3 dB max at 1 GHz
• Right-Angle Connector		
RF Leakage		-55 dB min from 2 to 3 GHz
Insulation Resistance		5000 MΩ min
Contact Resistance		1.5 mΩ
• Center Contact		0.2 mΩ
• Outer Contact		
Working Voltage in VRMS		500
• At Sea Level (at 21000m)		125
Dielectric Withstanding Voltage in VRMS		1500
• At Sea Level (at 21000m)		375
RF Testing Voltage in VRMS Sea Level (5 MHz)	-	1000

MECHANICAL CHARACTERISTICS

Durability	MIL	500 Matings
Force to Engage and Disengage		
• Axial		13.6 N max
• Torque		28.6 Ncm
Coupling Nut Retention Force		445 N
Cable Retention Force		
Cable 2.6/75, 5/75, 6/75, 8/75, 10 + 11/75		340 N
Center Contact Retention Force		27 N

ENVIRONMENTAL CHARACTERISTICS

Temperature Range	MIL	-65 °C + 105 °C
• Flexible Cables		
Thermo Cycling Test		MIL STD 202, Method 107, Condition B
High Temperature Endurance		MIL STD 202, Method 108
Corrosion Salt Spray		MIL STD 202, Method 101, Condition B
Vibration		MIL STD 202, Method 204, Condition B
Shock		MIL STD 202, Method 213, Condition G
Moisture Resistance		MIL STD 202, Method 106
Barometric Pressure		Pressure test: 3.5 bars; duration: 2 mn; temperature: 15°C to 25°C

MATERIALS AND PLATING

	Material	Plating
Bodies	Brass	Nickel
Center Contact	Brass Bronze or Heat Treated Beryllium Following QQ-C-530	Gold
• Male		
• Female		
Nut	Brass	-
Insulator	PTFE	-
Gasket	Silicone Rubber	-

Notes

Standard packaging = 100 pieces