



BNC

specification sheet

Electrical characteristics		
Impedance	50 Ω	75 Ω
Maximum frequency	4 GHz	1 GHz
Working voltage	500 V _{RMS} max.	500 V _{RMS} max.
Dielectric withstanding voltage	1500 V _{RMS} min.	1500 V _{RMS} min.
VSWR	Straight	1.3 max.
	Right angle	1.5 max.
Contact resistance	Centre contact	3 m Ω max.
	Outer contact	2 m Ω max.
Insulator resistance	5000 M Ω min.	5000 M Ω min.

Materials		
Part name	Material	Finish
Body, metal parts	Brass per QQ-B-626	Nickel 70 μ "
Centre contact	Male	Brass per QQ-B-626
	Female	Phosphor bronze per QQ-B-750
Insulator	Teflon, Delrin	None
Crimp ferrule	Annealed brass	Nickel 70 μ "
Clamp gasket	Silicone rubber	None

Note: Other materials or finishes may be available on request

Mechanical & environmental characteristics	
Engagement force	2.5 in-lbs max.
Disengagement force	3 in-lbs max.
Coupling nut retention	100 lbs min.
Contact retention	6 lbs min.
Durability (mating cycles)	500 cycles min.*
Temperature range	-65 °C to 165 °C**
Vibration	MIL-STD-202 method 204 test cond. B
Salt spray	MIL-STD-202 method 101 test cond. B
Thermal shock	MIL-STD-202 method 107 test cond. B

* For beryllium copper female contact only

** For teflon insulator only