

Specifications:

Electrical:

Impedance	50 ohms
Frequency range	0-40 GHz
Voltage rating	335 V rms
Dielectric withstanding voltage	500 V rms
VSWR	1.10 @ 10 GHz (straight)
Contact Resistance	Center contact ≤ 6 milliohms; Outer contact ≤ 2 milliohms
Insulation resistance	5,000 megaohms min.
Insertion loss	0.10 dB @ 1 GHz

Mechanical:

Mating	50 ohm snap-on couplings, per MIL-STD 348A
Engagement forces	engagement ≤ 3.4 lbs. (15N) max. disengagement ≥ 1.8 lbs. (8N) min.
Connector affixment to cable	Flexible: crimp Semi-Rigid: solder
Cable affixment to center contact	Solder
Contact captivation	2.3 lbs.
Connector durability	500 mating and unmating cycles min.

Material:

Body, Metal Parts Finish	Brass per QQB-626 Gold
Center contacts	Male: Brass or beryllium Female: Spring copper alloy
Finish	Gold
Insulators	PTFE
Gasket	Silicone rubber
Crimp ferrules	Seamless copper tubing alloy

Environmental:

Temperature range	-65°C to +155°C
Thermal shock Temperature cycles	MIL-STD-202 method 102 (test cond. C)
Vibration	MIL-STD-202 method 204, snap-on (test cond. D)
Shock	MIL-STD-202 method 213, snap-on (test cond. B)
Humidity	MIL-STD-202 method 106 (test cond. D)