

This totally new termination technique provides the QT-BNC with a high pressure, gas tight center conductor joint of exceptional mechanical integrity, without crimping the center contact. The QT-BNC is a 75 ohm pre-assembled connector with an integral center contact and rear crimp ferrule. This connector may be terminated onto cable in under 20 seconds, significantly reducing installation costs.



 For more information: www.ittcannon.com/cat078

Applications:

- Broadcast Systems
- Central Office Switching
- Cross-Connect Equipment
- Telecommunications

Product Features

- Meets Telcordia/SMPTE 292M standards.
- Designed for field installation.
- Plastic rear cap is color coded for easy identification of cable type.
- Optional right angle strain relief boot accessory (shown above).
- Compatible with select competitive crimp tools and die sets.
- Complete assembly instructions are printed on bags.
- Pneumatic crimp tool available.

Performance Specifications

Bump Cable Retention	4000 total at 390 m/s ²		
	Cable	Axial Force	Torque
	M17/29-RG59/U	133 N (30 lbs) min.	0,9 Nm (8.0 in. lbs)
	734 type	311 N (70 lbs) min.	0,9 Nm (8.0 in. lbs)
	735A type	111 N (25 lbs) min.	0,45 Nm (4.0 in. lbs)
	1694A	133 N (30 lbs) min.	0,9 Nm (8.0 in. lbs)
Connector Durability	500 mating cycles min.		
Contact Current Rating	1.5 A dc max.		
Contact/Insulator Retention	22,3 N (5 lbs) min. axial force		
Contact Resistance	Outer contact: 1.0 mΩ max.; Braid to body: 1.0 mΩ max.		
Corona Level	375 V ac rms min. at 21 km (70,000 ft)		
Coupling Mechanism Retention	445 N (100 lbs) min.		
DWV	1500 V ac rms at sea level		
Frequency Range	DC to 2.0 GHz		
Impedance	75 Ω nominal		
Insertion Force	22,3 N (5 lbs) max.		
Insertion Loss	0.2 dB max. at 2 GHz		
Insulation Resistance	5000 MΩ min.		
Operating Temperature	-40°C to 85°C (-40°F to 185°F)		
Operating Voltage	500 V ac rms at sea level		
RF Leakage	-60 dB typical up to 2 GHz		
Shock	490 m/s ² for 11 ms		
Termination Resistance (QT Center contact)	3 mΩ max. (excluding pole resistance)		
Vibration	(a) Frequency range from 10 Hz to 500 Hz. (b) Displacement: 0.75 (.029). (c) Acceleration: 98 m/s ² . (d) Duration: 6 hours.		
VSWR	1.2 max. (DC to 1 GHz); 1.3 max. (1 to 2 GHz)		

Materials and Finishes

Description	Material	Finish
Connector Body	Phosphor bronze	140 μ in. Nickel
Insulators	Polymers rated to UL 94V-0	—
Center Contact Male	Beryllium copper	50 μ in. Gold
Coupling Nut	Die Cast, Copper Zinc Alloy	80 μ in. Nickel
Crimp Ferrule	Annealed Copper Alloy	150 μ in. Nickel
Spring	Stainless Steel	—

 Please contact your local Cannon representative: www.ittcannon.com/support/ContactUs