BNC-26N Straight Connector

For 0.6/2.8 Cables

ADC's BNC connectors are the most reliable and universally accepted method of terminating coaxial cable in the market today. Outstanding electrical performance (up to 3 GHz) is achieved by unique design elements in the industry's truest 75 Ohm connector. Precision-molded insulators with locking gold-plated center conductors ensure true 75 Ohm characteristic impedance. Innovative features result in significant reduction of impedance mismatch throughout the network and improved transmission reliability in digital applications.

Features:

- True 75 ohm characteristic impedance through the entire connector
- Outstanding electrical performance to 3 GHz
- Tarnish-resistant, nickel-plated body and bayonet
- Gold-plated, locking center conductor
- Compatible with select competitive crimp tools and die sets
- Meets or exceeds all requirements in MIL-C39012 requirements
- Bulk packaging available

SPEC SHEET

BNC-26N Straight Connector for 0.6/2.8 Cables

Specifications

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:	0.30 Ohm maximum change post environmental
Insulation Resistance:	200 megaohms minimum change

MECHANICAL

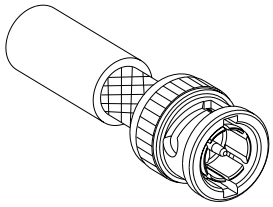
Mechanical Durability:	500 cycles minimum
Center Contact Retention:	6 lbs minimum
Coupling Mechanism:	100 lbs minimum
Cable Pulloff Force:	Dependent on cable size
Cable Bend and Twist:	500 cycles minimum
Force to Engage/Disengage:	Torque 2.5 in/lb maximum; longitudinal force 3 lbs maximum
Interface Dimension: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

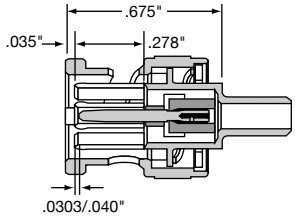
ENVIRONMENTAL

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:	UL94-VO rated (center conductor insulator)
Vibration:	MIL-STD-202 Method 201
Solvent Resistance:	MIL-STD-202 Method 215

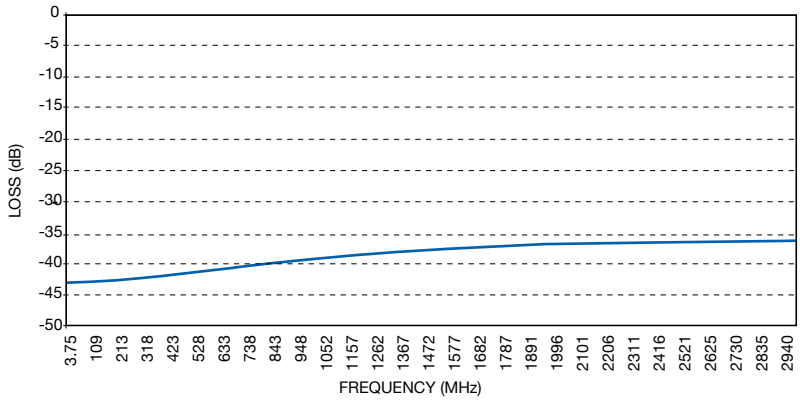
FINISH

Body/Bayonet:	Tarnish-resistant electroless nickel plating
Center Conductor:	50 millionths inch gold plating MIL-G-45204 Type 1, Grade C, Class 1; requires 0.42" crimp station die





Typical Gated Return Loss



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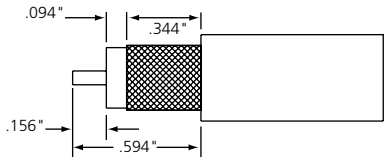
Specifications

STRIP DIMENSIONS/CUT LENGTH



CRIMP DIMENSIONS

Center Conductor:	.042 (1.07 mm) Hex or 12-point
Crimp Sleve:	.197 (5.00 mm) Hex

TOOLING INFORMATION

Crimp Tool Frame:	WT-3 or WT-2
Die Set:	WD-3 or WD-4
Optional 12-Point Crimp Tool:	WT-C12
Strip Tool:	STC-13B

Ordering Information

Description	Catalog Number
Single-packed straight BNC connector with indicator notch for 0.6/2.8 cables	BNC-26N
Bulk 100-pack straight BNC connector with indicator notch for 0.6/2.8 cables; bulk packages shipped with extra pins and sleeves in molded plastic snap tray	BNC-26N-B

SPEC SHEET

Web Site: www.adc.com

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Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our Web site.

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