



## Connector Products

### 75 Ohm BNC Connectors



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.

Broadcast Products

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#### Features

- Designed to exceed the rigorous demands of today's telecom and broadcast environment including SMPTE 259, 274, and 292M standards
- Outstanding electrical performance up to 3 GHz
- Gold-plated, locking center conductor
- True 75 Ohm characteristic impedance end-to-end
- Compatible with hex, square, and 12-point crimp tools and select competitive crimp tools and die sets
- Tarnish-resistant, nickel-plated body and bayonet
- Sizes for multiple cable types
- Meets or exceeds MIL-C39012 requirements



# 75 Ohm BNC Connectors

For all types of digital applications, ADC's true 75 Ohm BNC connector products ensure outstanding electrical performance, improved transmission, and enhanced reliability. ADC offers a complete line of straight, right angle, and bulkhead connectors, complemented by adapters, terminating plugs, and accessories.

- True 75 Ohm characteristic impedance through the entire connector
- Outstanding electrical performance to 3 GHz
- Tarnish-resistant, nickel-plated body and bayonet
- Compatible with select competitive crimp tools and die sets
- Sizes for multiple cable types
- Meets or exceeds all requirements in MIL-C-39012

Broadcast Products

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## Straight BNC Plug Connectors

### Features

- Designed to exceed the rigorous demands of today's broadcast environment, including SMPTE 259, 274, and 292M standards
- Gold-plated, locking center conductor
- .625" crimp sleeve for greater pull-off force
- 100 percent guided mating
- Compatible with telco 12-point crimp tools
- Strip lengths common between sizes and types (except for Belden 7731/Commscope 7530, RG11 Cable)



## Right Angle BNC Plug Connectors

### Features

- Right angle design alleviates stress associated with bending cable
- Provides increased density
- Improves overall cable management
- Bulk packaging available
- Center conductor pins and crimp sleeves are fully interchangeable with ADC's straight plugs for same cable type



## Bulkhead Jack Connectors

### Features

- Easier, more reliable termination; gold-plated locking center conductor ensures proper alignment during termination
- 100 percent guided mating
- Exclusive closed-entry contact prevents center conductor damage from non-standard BNCs or test probes
- Eliminates one termination point when used as a bulkhead connector



# 75 Ohm BNC Connectors

## Ordering Information

Below is an ordering guide that will help you select the BNC connectors that best meet your needs. Simply select the connector type, diameter, crimp area and cable type to determine the correct ADC catalog number.

Catalog Number	Connector Type	Cable Outer Jacket Diameter				Center Conductor Outside Diameter				
		Inch Range		MM Range		AWG (USA)	Inch Range		MM Range	
		Lower	Upper	Lower	Upper		Lower	Upper	Lower	Upper
BNC-1	Straight Plug	0.235	0.245	5.97	6.22	20	0.030	0.033	0.76	0.83
BNC-2	Straight Plug	0.220	0.242	5.59	6.15	23	0.022	0.025	0.56	0.62
BNC-3	Straight Plug	0.127	0.127	3.23	3.23	26	0.015	0.018	0.38	0.44
BNC-4	Straight Plug	0.305	0.305	7.75	7.75	20	0.030	0.033	0.76	0.83
BNC-5	Straight Plug	0.270	0.270	6.86	6.86	20	0.030	0.033	0.76	0.83
BNC-6	Straight Plug	0.199	0.212	5.05	5.38	20	0.030	0.033	0.76	0.83
BNC-7	Straight Plug	0.155		3.94		24	0.019	0.022	0.48	0.55
BNC-8	Straight Plug	0.275		6.99		18	0.038	0.040	0.97	1.02
BNC-9	Straight Plug	0.275	0.305	6.99	7.75	18	0.038	0.040	0.97	1.02
BNC-10	Straight Plug	0.280		7.11		18	0.038	0.040	0.97	1.02
BNC-11	Straight Plug	0.265		6.73		23	0.022	0.025	0.56	0.62
BNC-12	Straight Plug	0.150		3.81		25	0.017	0.019	0.43	0.47
BNC-13	Straight Plug	0.146		3.71		24	0.019	0.022	0.48	0.55
BNC-15	Straight Plug	0.193	0.232	4.90	5.89	24	0.019	0.022	0.48	0.55
BNC-16	Straight Plug	0.103	0.110	2.62	2.79	26	0.015	0.018	0.38	0.44
BNC-17	Straight Plug	0.271	0.271	6.88	6.88	20	0.030	0.033	0.76	0.83
BNC-19	Straight Plug	0.125		3.18		24	0.019	0.022	0.48	0.55
BNC-20	Straight Plug	0.249		6.32		18	0.038	0.040	0.97	1.02
BNC-22	Straight Plug	0.149		3.78		25	0.017	0.019	0.43	0.47
BNC-25	Straight Plug	0.400		10.16		14	0.064		1.63	
BNC-26	Straight Plug	0.177		4.50		23	0.024		0.61	
BNC-27	Straight Plug	0.310	0.326	7.87	8.28	16	0.051		1.30	
BNC-28	Straight Plug	0.077		1.96		26	0.018		0.46	
BNC-29	Straight Plug	0.292	0.308	7.41	7.83	18	0.040		0.97	
BNC-RA-1	Right Angle Plug	0.235	0.245	5.97	6.22	20	0.030	0.033	0.76	0.83
BNC-RA-2	Right Angle Plug	0.220	0.242	5.59	6.15	23	0.022	0.025	0.56	0.62
BNC-RA-3	Right Angle Plug	0.127	0.127	3.23	3.23	26	0.015	0.018	0.38	0.44
BNC-RA-4	Right Angle Plug	0.305	0.305	7.75	7.75	20	0.030	0.033	0.76	0.83
BNC-RA-7	Right Angle Plug	0.155		3.94		24	0.019	0.022	0.48	0.55
BNC-RA-8	Right Angle Plug	0.275		6.99		18	0.038	0.040	0.97	1.02
BNC-BHJ-8	Bulkhead Jack	0.275		6.99		18	0.038	0.040	0.97	1.02
BNC-BHJ-13	Bulkhead Jack	0.146		3.71		24	0.019	0.022	0.48	0.55



Straight BNC Plug Connectors



Right Angle BNC Plug Connectors

# 75 Ohm BNC Connectors

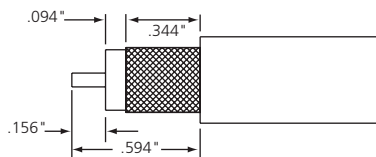
In addition to the .042" square pin crimp, all connectors listed are compatible with a 12-point method of crimping or .042" hex crimp. All ADC BNC connector plugs use the same crimp dimensions and crimp tools for the same cable type.

Bulk packaging in quantities of 100 is available (package includes 100 connector bodies, 100 center pins, and 100 crimp sleeves bagged separately). For bulk packaging add "B" to the end of the catalog number. Example: BNC-13B.

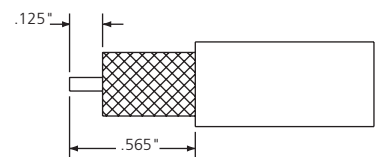
Cable Dielectric Outside Diameter				Connector Crimp Areas				Crimp Die	Cable Type	Catalog Number
Inch Range		MM Range		Hex Flats Distance		Center Pin				
Lower	Upper	Lower	Upper	Inch	MM	Inch	MM	Catalog Number	Catalog Number	
0.140	0.150	3.56	3.81	0.255	6.48	.042	1.07	WD-1, WD-2, WD-3, WD-5	734, 9259, 1505A, 9100, VPM2000	BNC-1
0.140	0.150	3.56	3.81	0.255	6.48	.042	1.07	WD-1, WD-2, WD-3, WD-5	RG59, 9209, 8279, 8241, VJ59U	BNC-2
0.077		1.96		0.178	4.52	.042	1.07	WD-2	735, NT735	BNC-3
0.185	0.198	4.70	5.03	0.324	8.23	.042	1.07	WD-1	728, 8281B, 8281F, VP618PE, VP618M	BNC-4
0.144		3.66		0.324	8.23	.042	1.07	WD-1	1187A, HEC-2, F-HEC59	BNC-5
0.135	0.140	3.43	3.56	0.255	6.48	.042	1.07	WD-1, WD-2, WD-3, WD-5	1506A, 1824A, VPM2000TS, VPM2000TK	BNC-6
0.095		2.41		0.178	4.52	.042	1.07	WD-2	8218, 7538, 0222	BNC-7
0.180		4.57		0.278	7.06	.042	1.07	WD-4	1694A, VSD2001, VSD2001TS, 9058	BNC-8
0.180	0.198	4.57	5.03	0.324	8.23	.042	1.07	WD-1	1189A	BNC-9
0.180		4.57		0.255	6.48	.042	1.07	WD-1, WD-2, WD-3, WD-5		BNC-10
0.142		3.61		0.324	8.23	.042	1.07	WD-1	9268, S-HEC 89, 6605	BNC-11
0.099		2.51		0.178	4.52	.042	1.07	WD-2	1865, 8218, 7537, RGB250	BNC-12
0.090		2.29		0.178	4.52	.042	1.07	WD-2	1855A, RGBS250, VDM250, VDM230	BNC-13
0.122		3.10		0.255	6.48	.042	1.07	WD-1, WD-2, WD-3, WD-5	9209, 82241, 2041, V618M59TK	BNC-15
0.06	0.07	1.52	1.78	0.178	4.52	.042	1.07	WD-2	8216, 9239, 83269, RGBSC260TS	BNC-16
0.185	0.198	4.70		0.324	8.23	.042	1.07	WD-1	88281, VP618TK	BNC-17
0.078		1.98	5.03	0.178	4.52	.042	1.07	WD-2	LL79301	BNC-19
0.182		4.62		0.278	7.06	.042	1.07	WD-4	8228, 82120	BNC-20
0.098		2.49		0.178	4.52	.042	1.07	WD-2	1167A, 1418B RGB	BNC-22
0.280		7.11		0.278	7.06	.068	1.73	WD-6	7731A, 5906, VHD1100, 89292	BNC-25
0.110		2.79		0.197	5.00	.042	1.07	WD-3, WD-4	1880A, SDV-25	BNC-26
0.225		5.72		0.278	7.06	.042	1.07	WD-4	1800A, 7530, VHD7000, 7855A	BNC-27
0.120		3.05		0.178	4.52	.042	1.07	WD-2	LL92833	BNC-28
0.180		4.57		0.324	8.23	.042	1.07	WD-1	5740, 5741	BNC-29
0.140	0.150	3.56	3.81	0.255	6.48	.042	1.07	WD-1, WD-2, WD-3, WD-5	734, 9259, 1505A, 9100, VPM2000	BNC-RA-1
0.140	0.150	3.56	3.81	0.255	6.48	.042	1.07	WD-1, WD-2, WD-3, WD-5	RG59, 9209, 8279	BNC-RA-2
0.077		1.96		0.178	4.52	.042	1.07	WD-2	735, NT735	BNC-RA-3
0.185	0.198	4.70	5.03	0.324	8.23	.042	1.07	WD-1	8281B, 8281F, VP618PE, VP618M	BNC-RA-4
0.095		2.41		0.178	4.52	.042	1.07	WD-2	8218, 1855A, 7538	BNC-RA-7
0.180		4.57		0.278	7.06	.042	1.07	WD-4	1694A, VSD2001	BNC-RA-8
0.180		4.57		0.278	7.06	.042	1.07	WD-4	1694A, VSD2001	BNC-BHJ-8
0.090		2.29		0.178	4.52	.042	1.07	WD-2	1865, 1855A, RGBSC250	BNC-BHJ-13



Bulkhead Jack Connectors



BNC Plug Strip Length (All BNC Plug Connectors except BNC-25)



BNC Plug Strip Length For BNC-25