

BNC CONNECTORS



NETWORK SOLUTIONS

Communication systems are becoming more demanding and are requiring high performance, impedance matched cable interconnections. We have offered true 75 ohm performance connectors for some time and now are greatly increasing our line of products. These units are needed to insure proper impedance matching which is required for Broadcast, Post-production, CATV, MATV/SMATV, Audio/Video, Multimedia, Computer, CCTV, Security and Home Entertainment applications.

FYI

- For the packaged version of any connector on this page simply add a "P" to the end of the part number.



Ain #	Cable Type	Tool
28-91007	RG-59, 62 Belden 1505A	24-305P
28-91047	Belden 8281, 9141, 9231	24-318P
28-91027	RG-6 PVC	24-322P
28-91037	RG-59, 62 Teflon	24-304P
28-91187	Belden 8218, 1855A	24-306P
28-91317	Belden 8215	24-318P
28-91407	Belden 8224	24-304P
28-91457	Belden 9248, 1694A	24-322P
28-91477	Belden 8241, 8263, 8279	24-305P
28-91487	Belden 8221, 9244	24-304P
28-91507	Belden 82259, 89259	24-322P
28-91607	Belden 82108, 89108	24-304P

The goals of our connector designs are to provide reliable performance in the various environments where signal integrity is required whether the circuitry is analog or digital. The broadcast industry faces many challenges and the correct selection of reliable, quality cabling and interconnect products will determine if the audio, signal or video transmissions will maintain clarity and prevent downtime. As broadcast and the many associated industries prepare to meet the new demands, the selection process becomes much more difficult for the design engineer, systems installers and the contractors. Too often product is selected on appearance and price, rather than proven specifications and performance history. We have been providing connectors, adaptors and accessories for thousands of designs year after year and protected systems from failures.

Our products are designed for the most popular 75 ohm cables and are suitable for rack systems, CCTV systems and equipment signal connectors.

ELECTRICAL CHARACTERISTICS

Impedance	75 Ohm
Working voltage	500 volts, RMS at sea level
Frequency range	0 - 2 GHz with low reflection
Contact resistance	Outer - 0.2 milliohms Center - 2.1 milliohms (.000050 gold)
Insulation resistance	5000 megohms minimum
Dielectric withstanding voltage	1500 volts, RMS at sea level
Corona level	375 volts minimum at 70,000 feet

ENVIRONMENTAL CHARACTERISTICS

Recommended temperature range	-55°C to +85°C
Vibration	MIL-Std. 202
Shock	MIL-Std. 202, 100 Gs
Moisture resistance	MIL-Std. 202

MECHANICAL CHARACTERISTICS

Durability	500 cycles (.000050 gold)
Force to engage/disengage	3 lbs. maximum
Coupling nut retention	60 lbs. minimum
Cable retention	60 lbs with 95 percent braid coverage - RG 58 C/U cable

MATERIALS

Body	Zinc
Contact	Brass
Spring Washer	Beryllium copper
Insulator	Teflon
Plating	Body - nickel Contact - Gold

75 OHM BNC CONNECTORS

COAXIAL SOLUTIONS



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BNC CONNECTORS / ADAPTORS

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Body	Zinc
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Aim # Description
28-90507 RG-59, 62 PVC
28-90527 RG-6 PVC
28-90547 RG-59, 62 Teflon



Aim # Description
28-90007 RG-59, 62 PVC
28-90027 RG-6 PVC
28-90047 RG-59, 62 Teflon



Aim # Description
28-90237 RG-59, 62 PVC
28-90257 RG-59, 62 Teflon



Aim # Description
28-90537 RG-59, 62 PVC
28-90337 RG-59, 62 Teflon



Aim # Description
28-90137 RG-59, 62 PVC
28-90037 RG-59, 62 Teflon



Aim # Description
28-90567 RG-59, 62 PVC
28-90577 RG-59, 62 Plenum



Aim # Description
28-74307 Inline splice
BNC female to BNC female



Aim # Description
28-75007 Inline adaptor
BNC male to F female



Aim # Description
28-75107 Inline adaptor
BNC male to RCA female



Aim # Description
28-81417 T adaptor
BNC female, female, female



Aim # Description
28-84707 Chassis mount
BNC female to BNC female
1/2" diameter D cut hole



Aim # Description
28-81507 R/A adaptor
BNC male to BNC female
Right angle adaptor



Aim # Description
28-81007 Inline adaptor
F male to BNC female



Aim # Description
28-81407 T adaptor
BNC female, male, female

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