

## Video Broadcast Products

**75 $\Omega$  Broadcast connectors and adapters for crystal clear digital video signals**

Whether you're working at an event, in a mobile truck, or in the studio, professionals like you need the cleanest, clearest signals for broadcast and production. Transmitting today's digital video signals demands higher bandwidth and greater signal purity than analog signals. Pomona Electronics' new line of 75 $\Omega$  digital video connectors and adapters help meet these demands. These connectors and adapters are true 75 $\Omega$  and are designed to minimize Voltage Standing Wave Ratio (VSWR). All are precision-machined from high-quality materials. (See specs below).

**Features**

- Made from precision machined high quality brass.
- Machining provides superior fit of connector parts, permitting less signal loss.
- Center contacts are plated with 20 micro inches of gold for better conductivity.
- All connectors and adapters are 75 $\Omega$  for broadcast applications.

**Material specifications**

*Body:* Gold plated brass (push-ons), Machined nickel plated brass (adapters) *Female center contracts:* Gold plated heat treated Beryllium copper for long wear life.

*Insulation Dielectric:* PTFE (adapters).

**General specifications**

*Impedance:* 75 $\Omega$ .

*Frequency:* DC to 3.0 GHz (Applies to 6702, 6703, 6704, 6705).

DC to 1.5 GHz (All other adapters).

*VSWR\*:* 1.3 Max. (Applies to 6702, 6703, 6704, 6705).

1.5 Max. (All other adapters).

*Contact resistance:* 1.5 m $\Omega$  max.

*Insulation resistance:* 5000 M $\Omega$ .

*Dielectric withstand voltage:* 1500 Vrms.

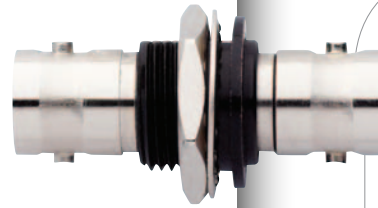
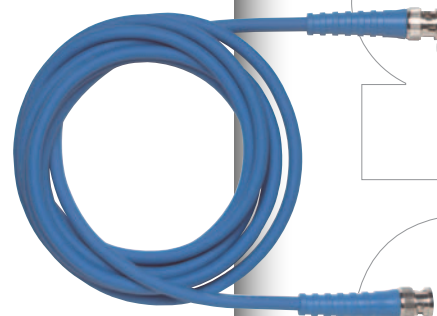
*Voltage:* 33 Vrms/70 Vdc (not).

*Voltage:* 500V\*\*.

*Insertions:* 500.

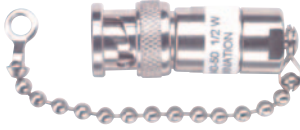
*Cable retention:* 60 lbs.

\*\* Hands free testing in controlled environment. For CE compliance: not intended for handheld use at voltages above 33 Vrms / 70 Vdc.

**75 $\Omega$  Broadcast Within Series Adapters****75 $\Omega$  Between Series Adapters****75 $\Omega$  Cable Assemblies**

See following pages for a complete list of video broadcast products

**75Ω Broadcast connectors**



BNC Male Terminator Plug  
**3840-75**



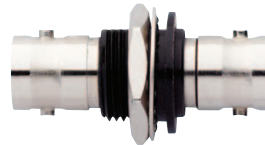
BNC (M) for Video Broadcast, RG59/U,  
(Belden 1855A), 23 AWG  
**6704**



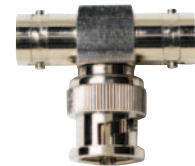
BNC (F/F/F) Adapter, 75Ω  
**6738**



BNC Feed-thru Termination  
**4119-75**



BNC (F/F) Isolated Panel Adapter  
for Digital Video  
**6705**



BNC (F/M/F) Adapter, 75Ω  
**6739**



BNC 75Ω Attenuator  
**4391-75**



BNC (F) PCB Mount, Dual  
Right Angle, White Valox  
**6718**

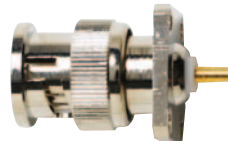


BNC (M/M) Adapter, 75Ω  
**6740**

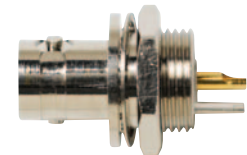


BNC Shorting Cap  
**5085**

BNC Dust Cap  
**3839**



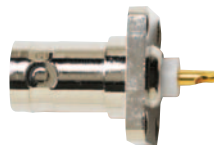
BNC (M) Panel Mount, 75Ω  
**6735**



BNC (F) Bulkhead Receptacle,  
Isolated Ground, Teflon, 75Ω  
**6741**



BNC (M) for Digital Video, RG59/U,  
(Belden 1505A), 20 AWG  
**6702**



BNC (F) Panel Receptacle, 75Ω  
**6736**



BNC (F/F) Panel Mount,  
Hermetically Sealed, 75Ω  
**6744**



BNC (M) for Digital Video, RG6/U,  
(Belden 1694A), 18 AWG  
**6703**



BNC (F/F) Adapter, 75Ω  
**6737**

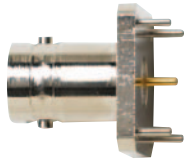


BNC (F) Bulkhead Receptacle, 75Ω  
**6745**

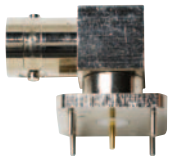
## 75Ω Between series adapters



BNC (M) Compression Style, Field inst.  
RG59, 59A, 59B, 62, 210, 75Ω  
**6746A**



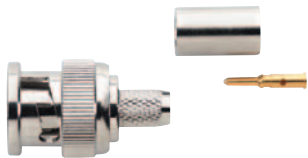
BNC (F) PCB Mount, Vertical, 75Ω  
**6747**



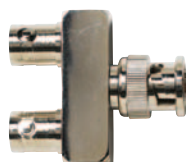
BNC (F) PCB Mount, Right Angle, 75Ω  
**6748**



BNC (M) Bulkhead Receptacle, 75Ω  
**6749**



BNC (M) Crimp RG59, 59A, 59B, 62, 210 75Ω  
**6752A**



BNC (F/M/F) Adapter, in-line, 75Ω  
**6754**



BNC (F) to 1/4in Phone Plug  
**1297**



BNC (F) to Two Conductor  
0.14in (3.58mm) Dia. Tini Plug  
**3837**



BNC (M) to 1/4in Two Conductor Phone Jack  
**4043**



BNC (M) to Phono Jack  
**4054**



BNC (F)/Microplug  
**4267**



BNC (F)/Bantam Plug  
**4719**



BNC (F)/.090 Video Plug (Standard Weco)  
**5008**



BNC (F) to Phono Plug  
**5319**



BNC to Mini-weco Plug  
**6519**



BNC (M) / F (F), 75Ω  
**6779**



BNC (F) / F (F), 75Ω  
**6780**

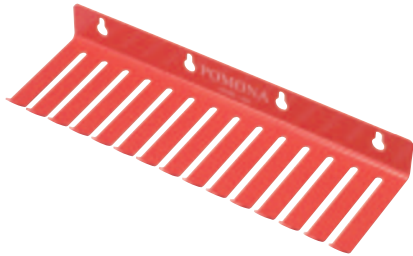


BNC (F) / F (M), 75Ω  
**6781**



BNC (M) / F (M), 75Ω  
**6782**

## 75Ω Cable assemblies



Test Lead Holder for Wires  
Up to 0.210in (5.33mm) Dia.  
**1508**

Test Lead Holder for Wires  
Up to 0.32in (8.13mm) Dia.  
**4408**

Test Lead Holder for Wires  
Up to 0.450in (11.43mm) Dia.  
**2708**



Mini-weco Plug / Plug Patch Cord  
**6502-96**



75Ω BNC (M) to Mini-weco Cable  
**6515-96**



Rugged 75Ω BNC Plug / Plug,  
3ft to 25ft (0.9m to 7.6m)  
**2249-E-36**



Weco Plug / Plug Patch Cord  
**6507-96**



75Ω BNC (M) To Standard Weco Cable  
**6516-96**

Go to [www.pomonaelectronics.com](http://www.pomonaelectronics.com) for more information

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