

Video Broadcast Products

75 Ω 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 Ω digital video connectors and adapters help meet these demands. These connectors and adapters are true 75 Ω 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 Ω 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 Ω .

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 Ω max.

Insulation resistance: 5000 M Ω .

Dielectric withstand voltage: 1500 Vrms.

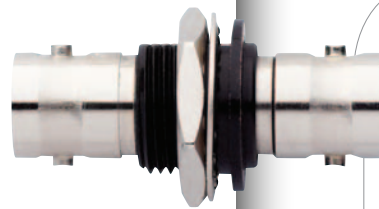
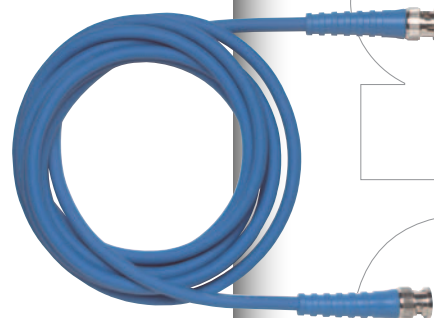
Voltage: 33 Vrms/70 Vdc (not).

Voltage: 500V**.

Insertions: 500.

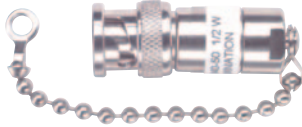
Cable retention: 60 lbs.

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

**75 Ω Broadcast
Within Series
Adapters****75 Ω Between
Series Adapters****75 Ω 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



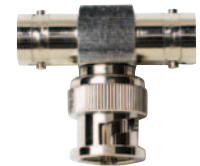
BNC (F/F/F) Adapter, 75Ω
6738



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

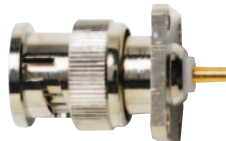


BNC (M/M) Adapter, 75Ω
6740

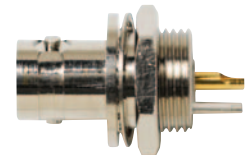


BNC Shorting Cap
5085

BNC Dust Cap
3839



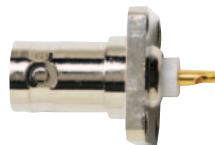
BNC (M) Panel Mount, 75Ω
6735



BNC (F) Bulkhead Receptacle,
Isolated Ground, PTFE, 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

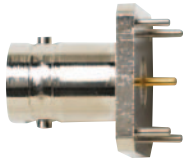


BNC (F) Bulkhead Receptacle, 75Ω
6745

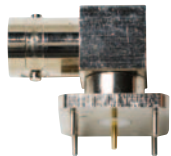
75Ω Between series adapters



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



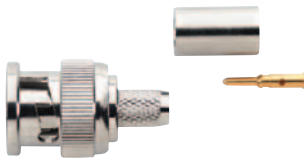
BNC (F) PCB Mount, Vertical, 75Ω
6747



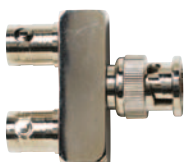
BNC (F) PCB Mount, Right Angle, 75Ω
6748



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

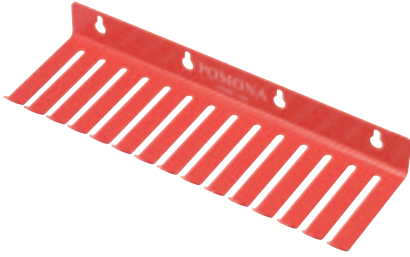


BNC (F) / F (M), 75Ω
6781



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



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



Mini-weco Plug / Plug Patch Cord
6502-96



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



Weco Plug / Plug Patch Cord
6507-96



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

Go to www.pomonaelectronics.com for more information

In the United States:

Pomona Electronics
9028 Evergreen Way
Everett, WA 98204
United States

www.pomonaelectronics.com

Tel: 1.800.490.2361
Fax: 425.446.5844

In Europe:

Pomona Electronics
P.O.Box 1186
5602 BD Eindhoven
The Netherlands

www.pomona.cc

Tel: +31 (0) 40 2675 150
Fax: +31 (0) 40 2675 151

All other areas:

www.pomonaelectronics.com

Tel: 1.425.446.5500
Fax: 1.425.446.4806

Copyright © 2004. Pomona is a registered trademark of Pomona Electronics. Specifications subject to change without notice. All rights reserved. Printed in the USA. 5/04 2152230 D-ENG-N Rev. A