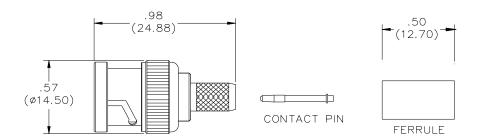
# **Pomona**®

## Model 6703 HDTV, 75 Ohm BNC Connector for RG-6/U



#### **Features:**

- ✓ Connectors are precision machined (not die-cast) from brass.
- ✓ Black nickel plating is applied for easily identification as a high definition connector.
- ✓ Insulator material is high density PTFE to maintain a perfect dielectric constant.
- ✓ Connectors utilize gold plated contact pin to maintain low return loss in high definition applications.
- ✓ Connector is precision matched to Belden ® 1694A cable, a precision low loss serial digital video RG-6/U coax cable.
- ✓ video coax for analog and digital SDI/HDTV applications
- ✓ Connectors use standard commercial die set, size: 0.324"/0.255"/0.068" HEX and 0.052"/0.042" SQ (e.g. model 2649 from Paladin Tools)

#### **Materials:**

Connector Body Black nickel plated brass
Crimp Ferrule Nickel plated annealed copper

Outer Contact Nickel plated brass
Male Contact Pin Gold plated brass

Insulator Polytetrafluorethylene (PTFE)

#### **Ratings:**

Impedance: 75 ohms
Frequency: 0 to 3 GHz.
VSWR: 1.3 max

Insertion Loss:

Leakage Loss:

Contact Resistance:

Voltage

Insulation Resistance:

Insertions:

0.2 db (@ 3GHz.)

-55 db (@ 3GHz.)

3 Milliohms

\*500 V

5,000 Megohms

500 min.

Cable Retention: 60 lbs.
Temperature: -55 to +199° C

\*Hands free testing in controlled voltage environment; For CE compliance: not intended for hand held use at voltages above

All dimensions are in inches. Tolerances (except noted):  $.xx = \pm .02$ " (,51 mm),  $.xxx = \pm .005$ " (,127 mm).

All specifications are to the latest revisions. Specifications are subject to change without notice.

Registered trademarks are the property of their respective companies. Made in USA

Sales: 800-490-2361 Fax: 888-403-3360 Technical Assistance: 800-241-2060 For "Where to Buy" information, visit the Pomona web site at www.pomonaelectronics.com

33Vms/70 Vdc

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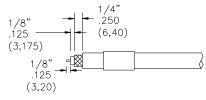
### Model 6703 HDTV, 75 Ohm BNC Connector for RG-6/U



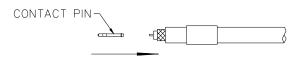
1. CUT CABLE END EVENLY AND PERPENDICULAR



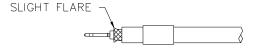
2. SLIDE OUTER FERRULE OVER CABLE END.



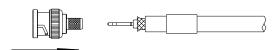
 STRIP CABLE JACKET, BRAID, AND DIELECTRIC TO SPECIFICATION LENGTHS. (NOTE: FOIL AND BRAID CABLES SHOULD LEAVE FOIL TO END OF DIELECTRIC).



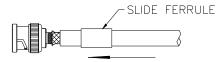
4. INSERT CONTACT PIN ONTO CABLE'S CENTER CONDUCTOR SO THAT IT IS FLUSH TO DIELECTRIC, CRIMP OR SOLDER CONTACT FIRMLY.



5. FLARE BRAID END SLIGHTLY.



6. INSERT PIN-END INTO CONNECTOR BODY AND PUSH UNTIL IT CLICKS INTO PLACE.



7. SLIDE OUTER FERRULE OVER BRAID AND UP AGAINST BODY ASSEMBLY.



8. CRIMP OUTER FERRULE WITH APPROPRIATE CRIMP TOOL.

Use standard commercial die set, size: 0.324"/0.255"/0.068" HEX and 0.052"/0.042" SQ (e.g. model 2649 from Paladin Tools)

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