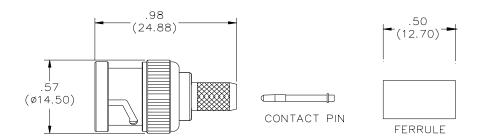
Pomona®

Model 6702A HDTV, 75 Ohm BNC Connector for RG-59/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 ® 1505A cable, a precision RG-59/U video coax cable 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: 0.2 db (@ 3GHz.) Leakage Loss: -55 db (@ 3GHz.) Contact Resistance: 3 Milliohms

Voltage *500 V

Insulation Resistance: 5,000 Megohms

Insertions: 500 Cable Retention: 60 lbs.

Temperature: $-55 \text{ to } +199^{\circ} \text{ C}$

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

^{*}Hands free testing in controlled voltage environment; For CE compliance: not intended for hand held use at voltages above 33Vms/70 Vdc

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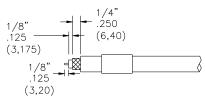
Model 6702A HDTV, 75 Ohm BNC Connector for RG-59/U



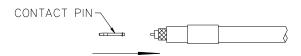
1. CUT CABLE END EVENLY AND PERPENDICULAR



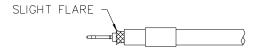
2. SLIDE OUTER FERRULE OVER CABLE END.



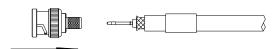
3. STRIP CABLE JACKET, BRAID, AND DIELECTRIC TO SPECIFICATION LENGTHS. (NOTE: FOIL AND BRAID CABLES SHOULD LEAVE FOIL TO END OF DIELECTRIC).



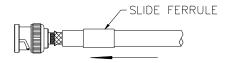
4. INSERT CONTACT PIN ONTO CABLE'S CENTER CONDUCTOR SO THAT IT IS FLUSH TO DIELECTRIC, CRIMP OR SOLDER CONTACT FIRMLY.



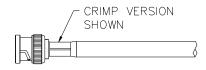
5. FLARE BRAID END SLIGHTLY.



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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