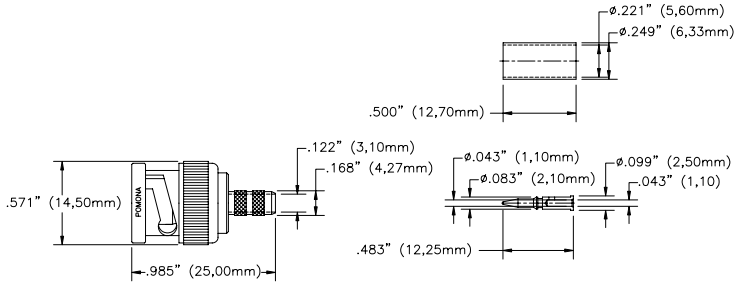
Pomona ELECTRONICS

Technical Data Sheet

Model 7035
BNC (M) 50 Ω Crimp, 55A, 142, 142A, 223, 400

Model 7035 BNC (M) 50 Ω CRIMP



Use for your 50 Ω coaxial cable assembly applications.

Features

- Designed for common cable groups (see table on page 2 for cable types and crimp die information).
- Precision machined.
- Gold plated (15 micro–inches) contacts.
- Insulation material is PTFE (**not delrin**).

Materials

- Body is machined brass with tarnish resistant nickel plating.
- Male center pin contacts are gold plated (15 micro-inches) brass.
- Body made from precision machined high quality brass (not die cast).
- High quality machined PTFE dielectric.

Ordering Information

Model: 7035, BNC(M) Crimp 55A,142,142A,223,400.

Specifications

Nominal impedance	50 Ω
Frequency	0-4 GHz
VSWR	1.30 max. 0-4 GHz
Center / Outer contact resistance	1.5 / 1.0 mΩ
Number of insertions	500
Insulation resistance	5000 MΩ (min)
Dielectric withstand voltage	1500 Vrms
Ratings: Voltage: 500 Vrms Operating temperature: -85 ˚F to +131 ˚F (-65 ˚C to +155 ˚C) Max.	

All dimensions are in inches. Tolerances (except noted): .xx = ±.02" (,51 mm), .xxx = ± .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.

Model 7035
BNC (M) 50 Ω Crimp, 55A, 142, 142A, 223, 400

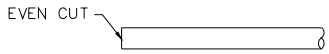
Cable Types and Crimp Die Information

Connector Model #	Cable Groups	Crimp Die set* Size (Hex/Pin)
7035	RG 55A, 142, 142A, 223, 400	Model 7278 (.213 / .068)

*For use with Pomona crimp tool Model 7277.

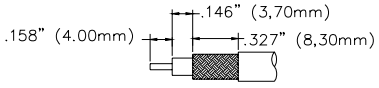
Cable Assembly Instructions

1. CUT CABLE END EVENLY AND PERPENDICULAR



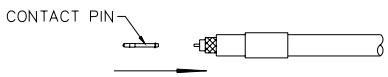
2. SLIDE OUTER FERRULE OVER CABLE END.

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

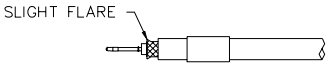


RECOMMENDED STRIP LENGTHS FOR MODEL 7035

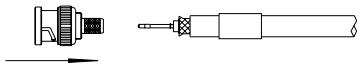
4. INSERT CONTACT PIN ONTO CABLE'S CENTER CONDUCTOR SO THAT IT IS FLUSH TO DIELECTRIC, CRIMP OR SOLDER CONTACT FIRMLY.



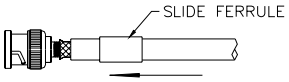
5. FLARE BRAID END SLIGHTLY.



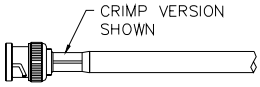
6. INSERT PIN–END INTO CONNECTOR BODY AND PUSH UNTIL IT CLICKS INTO PLACE.



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



8. CRIMP OUTER FERRULE WITH APPROPRIATE CRIMP TOOL.



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