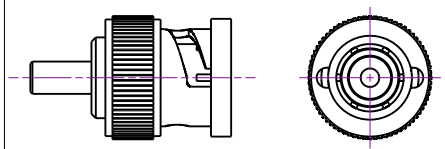
Rev.	Description	Date	Made By	Approval
A	Initial Release			

Notes



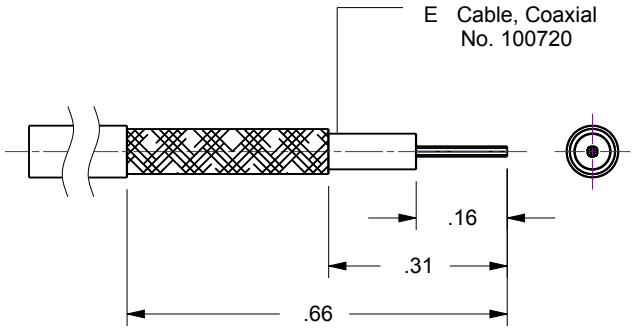
Male BNC Connector / 111023
Parts List and Nomenclature

A Body, Male BNC

B Sleeve, Crimp

C Sleeve, Insulator

D Contact, Electrical



E Cable, Coaxial
No. 100720

Tools List

All listed wiring tools and supplies are available from our website at...

www.accuglassproducts.com

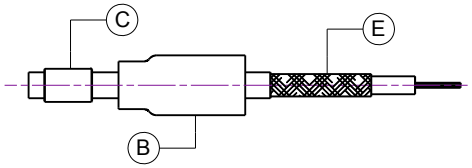
110797 Flux
110796 Solder, UHV Grade
110800 Soldering Iron, High Temperature
111029 Crimp Tool, Hex
100192 Wire Stripper Tool

110804 Butane Refill, Optional

Wiring Instructions

Step-1
Slide metal Crimp sleeve (B), and PEEK sleeve (C) onto wire (E), and then trim cable to specifications detailed at left using wire stripper tool (100192) set as follows...

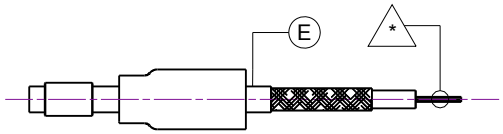
#40 for .16 dimension
#80 for .31 dimension



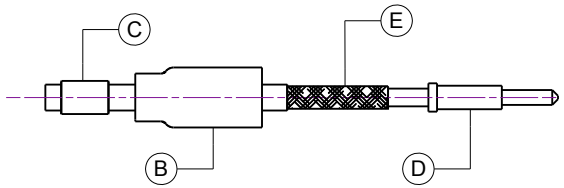
Step-2
Slide gold socket contact (D) onto stripped wire (E) to check fit, then remove contact.

Caution - Back of contact 'MUST' rest lightly on Kapton insulation... this helps stabilize contact and prevents side-to-side movement.

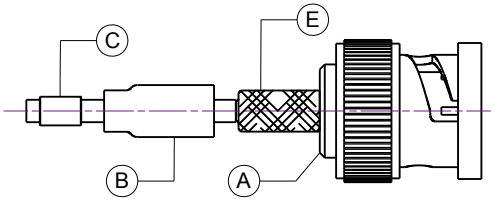
Step-3
Dip exposed wire tip from cable (E) into flux (110797), and pre-tin exposed center conductor (*) with UHV solder (110796)



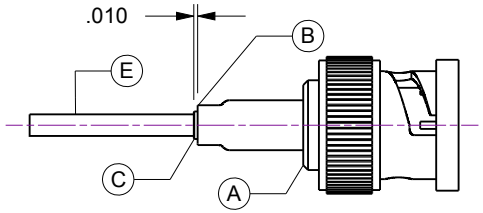
Step-4
Slide contact (D) back onto wire and solder to pre-tinned wire (E) with high temperature soldering iron (110800).



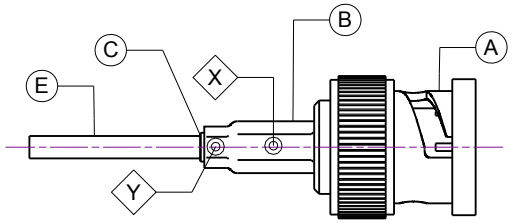
Step-5
Unbraid and flare coaxial braided shielding (E), then slide body (A) until it is stopped by the contact pin. Check and make sure that pin location is correct.



Step-6
Slide metal sleeve (B) up to boy (A), covering cable's unbraided shielding... then slide PEEK sleeve (C) under / into metal sleeve (B), leaving about .010 of PEEK exposed.



Step-7
Crimp metal sleeve (B) with crimping tool (111029) at...
Location (X) with .178 Hex
Location (Y) with .128 Hex



Step-8
Test finished cable / connector assembly for end-to-end electrical continuity on both conductor and shielding paths.

Step-9
Clean finished coaxial cable assembly by immersion in an ultrasonic bath of Isopropyl Alcohol for a minimum of 5 minutes.

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UNCONTROLLED WEB DRAWING

Material	
See Individual Components	
Tolerances, unless otherwise specified	
.X ± .030	Angles ± 0.5°
.XX ± .010	Finish 63Ra
.XXX ± .005	

Title: BNC Connector Wiring Instructions

Drawn by	Ligeti	No. A111023	Rev. A
Date	6/11/2020		
Approved			Sheet