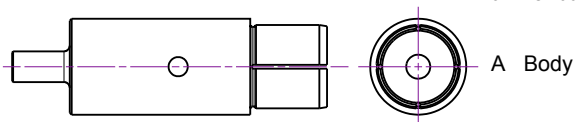


Notes

AccuFast 500HV / 111033

Parts List and Nomenclature
Mates with Single-Ended MHV, SHV
5kVDC Vacuum-Side Interface



A Body



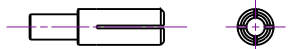
B Insulator, PEEK



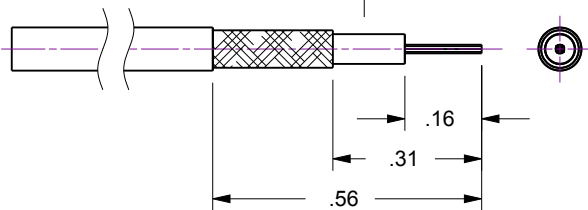
C Sleeve, Metal



D Shield, Short Circuit



E Contact, .094 Dia.

F Cable, Coaxial
No. 100720**Tools List**

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

www.accuglassproducts.com

100908 Crimp Tool, Hex
100192 Wire Stripper Tool

Wiring Instructions

Step-1 Strip and trim coaxial cable (F) jacket, braided shield, insulation and center conductor to specified dimensions as shown at bottom left. Use cable stripping tool 100192 set to #40 for .160 and #80 for .310 lengths. Coaxial cable TYP6, 26 AWG, part number 100720.

Step-2 Unbraid and comb cable (F) shield strands back over Kapton jacket insulation. Distribute shield strands evenly around jacket perimeter as shown.

Step-3 Slide connector body (A) and large insulator (B) onto coaxial cable (F), with large ID and counter-bore facing outward, then slide metal sleeve (C) over shield strands. Slide small insulator, short circuit shield (D)... allow it to butt up against metal sleeve and combed shield strands.

CAUTION, do not allow metal sleeve (C) to move completely past loose shield strand ends, as it's extremely difficult to pull this part back over shield strands.

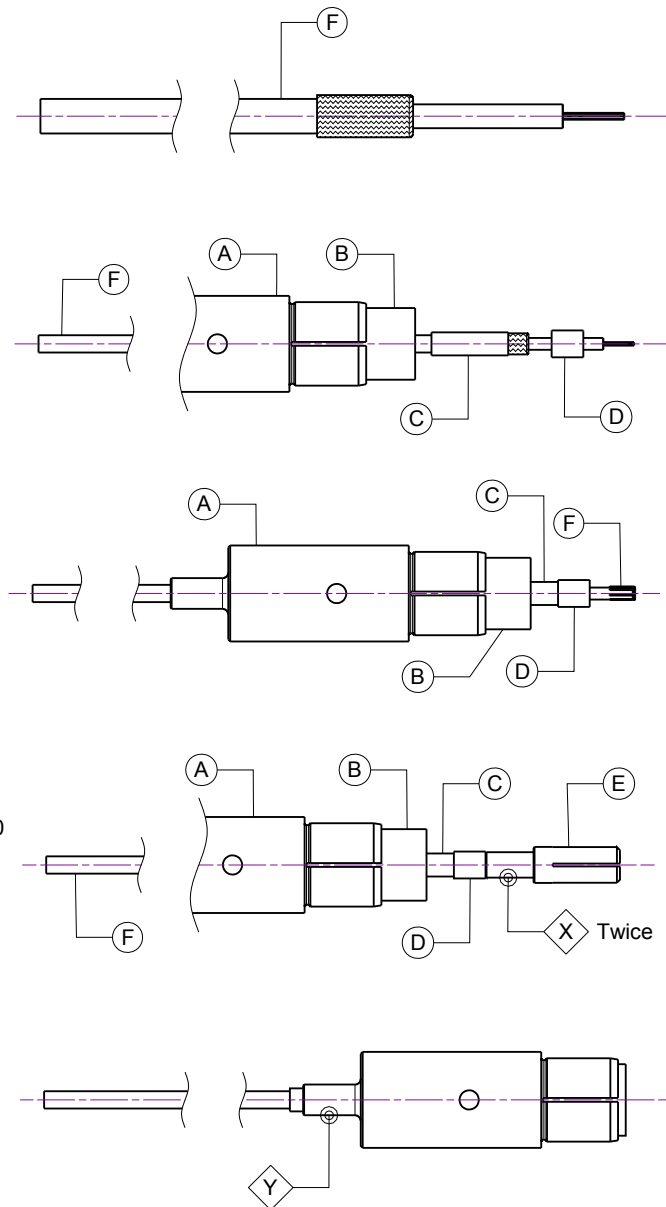
Step-4 Untwist cable (F) center conductor strands and fold them back over Kapton insulation. Distribute conductor strands evenly around insulator perimeter as shown.

Step-5 Slide female contact (E) over folded center conductor strands until these bottom out inside contact's socket. Hex crimp in place using tool 100908 (set to size 'C'), at location **X**... Then rotate crimp tool 90 degrees and crimp once again.

Step-6 Slide large insulator (B) and connector body (A) over items (F), (C), (D) and (E). Verify that female contact (E) is properly seated against counter-bore shoulder, inside large insulator (B). Hex crimp in place with tool 100908 (set to size 'B') at location **Y**

Step-7 Clean assembly in an ultrasonic bath of Isopropyl alcohol for five (5) minutes.

Rev.	Description	Date	Made By	Approval
B	Remodeled			

**UNCONTROLLED WEB DRAWING**

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Material
See Individual Components

Tolerances,
unless otherwise specified

.X ± .030	Angles ± 0.5° Finish 63Ra
.XX ± .010	
.XXX ± .005	

Title

AccuFast 500 HV Wiring Instructions

Drawn by	Ligeti	No.	Rev.
Date	3/15/2021	A111033	B
Approved		Sheet	



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