

NOTES:

1. MATERIALS AND FINISHES:
BODY, WASHER & SHELL - BRASS, SILVER PLATING
CONTACT - BRASS, GOLD PLATING
INSULATOR - PTFE, NATURAL
SPRING - BeCu, NICKEL PLATING
GASKET - SILICONE RUBBER, RED
FERRULE - COPPER, SILVER PLATING

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM

3. MECHANICAL:
A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -65° C TO +165° C

4. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL RF, 31-4427, AND DATE CODE"

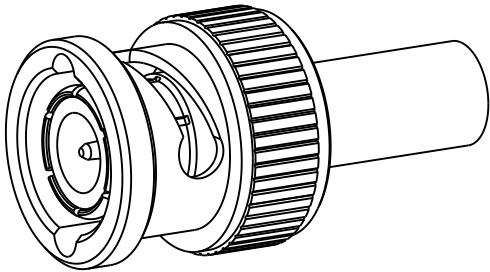
5. CABLE ASSEMBLY INSTRUCTIONS:
A. TRIM CABLE AS SHOWN.
B. SLIDE FERRULE ON TO THE CABLE.
C. INSERT CABLE CENTER CONDUCTOR TO CONTACT.
D. SOLDER CABLE CENTER CONDUCTOR TO CENTER CONTACT.
E. WHEN CRIMPING CONTACT TO CABLE, CRIMP WITH AMPHENOL TOOL 227-944 (M22520/5-01) AND DIE SET 227-1221-11, CAVITY 'B' (M22520/5-11 CLOSURE 'B'), (0.068" HEX).
F. INSERT CABLE INTO CONNECTOR WITH BRAID OVER KNURL UNTIL IT BOTTOMS.
G. CRIMP FERRULE WITH AMPHENOL TOOL 227-944 (M22520/5-01) AND DIE SET 227-1221-11, CAVITY 'A' (M22520/5-11, CLOSURE 'A'), (0.213" HEX).

6. SHOWS CABLE ENTRY DIMENSIONS

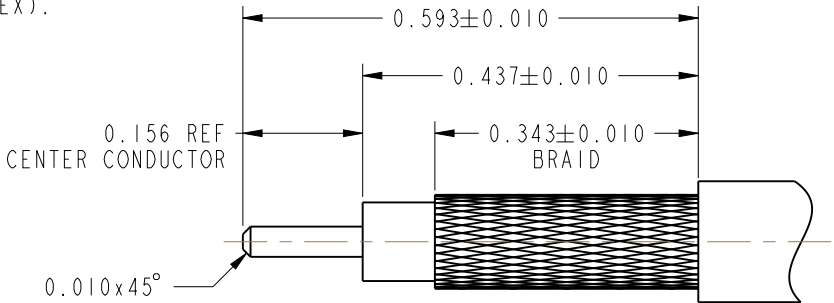
THIRD ANGLE PROJ.

REVISIONS

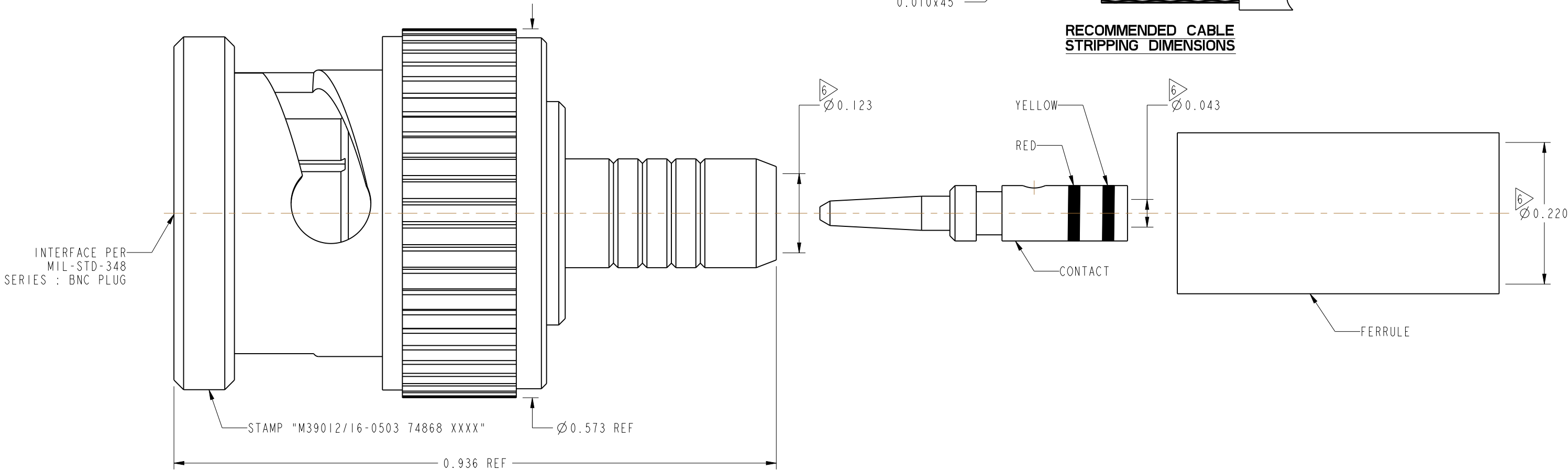
| REV | DESCRIPTION | DATE | ECO | APPR |
|-----|---|-----------|-------|------|
| -- | RELEASE TO MFG. | -- | -- | -- |
| W | REDRAWN IN PRO-E, NOTES UPDATED & COD SHEET ADDED | 20-Sep-13 | 49679 | RV |
| Y | FORMAT UPDATED | 09-May-16 | 00562 | AAP |
| AA | INSULATOR UPDATED | 6/1/16 | 00883 | MR |



SCALE 2.200



RECOMMENDED CABLE STRIPPING DIMENSIONS



THIS CONNECTOR IS COVERED BY U.S. PATENT 3,336,563.

MIL-C-39012 INSPECTION

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

| | | | | |
|---|----------------------------------|---|---|-----------------------------------|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES ±.015 (0,381 mm) ±.005 (0,127 mm) ± 1° | MATERIAL SEE NOTES | DRAWN RAJAVIJAYAN S DATE 09-Aug-13 | TITLE BNC STR PLUG MIL-CRIMP (CATEGORY D) FOR RG 142 & 400/U CABLE | Amphenol RF www.amphenolrf.com |
| NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data. | REFERENCE MIL-C-39012/16-0503 | ENGINEER D.ROYCE DATE 28-Mar-91 | SCALE: 6.4:1.0 SHEET 2 OF 2 | DRAWING NO.31-4427 |
| | CONFIGURATION LEVEL: In Work | APPROVED K. CAPOZZI DATE 6/1/16 | DWG SIZE B | ITEM NO.31-4427 |
| | FINISH | CAD FILE | REV AA | PART NO.31-4427 |