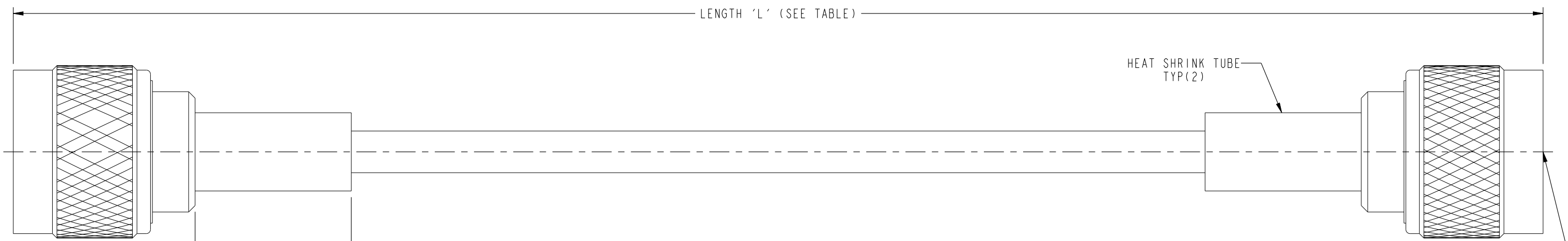
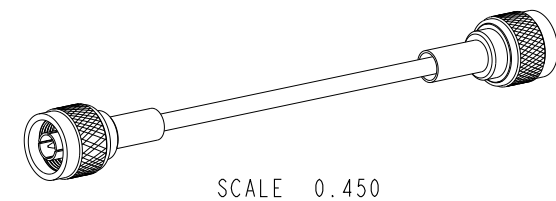


NOTES:

1. MATERIALS AND FINISHES:  
N STR PLUG - BRASS, WHITE BRONZE PLATING  
CABLE - RG 142
2. ELECTRICAL:  
A. IMPEDANCE: 50 OHM
3. PACKAGING:  
A. QUANTITY: SINGLE PACK  
B. MARKING: BAG TO BE MARKED  
"AMPHENOL RF, 175101-07-XX.XX AND DATE CODE"

THIRD ANGLE PROJ.

| REVISIONS |                               |           |       |      |
|-----------|-------------------------------|-----------|-------|------|
| REV       | DESCRIPTION                   | DATE      | ECO   | APPR |
| --        | RELEASE TO MFG.               | --        | --    | --   |
| C         | METRIC PART NUMBER UPDATED    | 28-Feb-17 | 3143  | VK   |
| D         | 54.00" & 96.00" LENGTHS ADDED | 03-Jan-19 | 10129 | VR   |



| LENGTH TABLE           |                      |                               |                                   |
|------------------------|----------------------|-------------------------------|-----------------------------------|
| PART NUMBER (IMPERIAL) | PART NUMBER (METRIC) | LENGTH 'L' IN INCHES [METERS] | LENGTH 'X' IN INCHES [METERS] MIN |
| 175101-07-06.00        | -                    | 6.00 [0.152]                  | 0.75 [0.019]                      |
| -                      | 175101-07-M0.25      | 9.84 [0.250]                  |                                   |
| 175101-07-12.00        | -                    | 12.00 [0.305]                 |                                   |
| 175101-07-18.00        | -                    | 18.00 [0.457]                 |                                   |
| -                      | 175101-07-M0.50      | 19.69 [0.500]                 | 1.50 [0.038]                      |
| 175101-07-24.00        | -                    | 24.00 [0.610]                 |                                   |
| -                      | 175101-07-M0.75      | 29.53 [0.750]                 |                                   |
| 175101-07-36.00        | -                    | 36.00 [0.914]                 |                                   |
| -                      | 175101-07-M1.00      | 39.37 [1.000]                 |                                   |
| 175101-07-48.00        | -                    | 48.00 [1.219]                 |                                   |
| -                      | 175101-07-M2.00      | 78.74 [2.000]                 |                                   |
| 175101-07-54.00        | -                    | 54.00 [1.371]                 |                                   |
| 175101-07-96.00        | -                    | 96.00 [2.438]                 |                                   |

| TOLERANCE TABLE                 |                |
|---------------------------------|----------------|
| LENGTH IN INCHES/FT [METERS]    | TOLERANCE      |
| 0" - 23.90" [0 - 0.607]         | ±0.25" [0.006] |
| 24.00" - 59.00" [0.610 - 1.499] | ±0.50" [0.013] |
| 5.0' - 24.9' [1.524 - 7.617]    | ±2.5%          |
| 25.0' & UP [7.620 & UP]         | ±5.0%          |

**DESIGN REQUIREMENTS:**

FREQUENCY: \_\_\_\_ TO \_\_\_\_ GHz     CONTINUITY

VSWR: \_\_\_\_ I MAX.     HI-POT: 750 VRMS

INS. LOSS: \_\_\_\_ dB MAX.     OTHER

**CUSTOMER OUTLINE DRAWING**  
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

|   |                              |           |           |  |     |                                   |  |
|---|------------------------------|-----------|-----------|--|-----|-----------------------------------|--|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:<br>2 PLACE DECIMAL    3 PLACE DECIMAL    ANGLES<br>±.015 (0,381 mm)    ±.005 (0,127 mm)    ± 1°  | MATERIAL                     | DRAWN     | DATE      | TITLE<br>N STR PLUG TO<br>N STR PLUG USING<br>RG 142 CABLE<br>VARIOUS LENGTH<br>SCALE: 2.1:1.0    SHEET 2 OF 2 |     | Amphenol RF<br>www.amphenolrf.com |  |
|   | SEE NOTES                    | ANANDH G  | 04-Jul-16 |  |     |                                   |  |
| 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                    | ENGINEER  | DATE      | DRAWING NO. 175101-07-XX-XX<br>ITEM NO. 175101-07-XX-XX  |     | PART NO. 175101-07-XX-XX          |  |
|   | EAR # 7307                   | KARTHIK R | 05-Aug-10 |  |     |                                   |  |
|   | CONFIGURATION LEVEL: In Work | APPROVED  | DATE      |  |     |                                   |  |
| FINISH  | K.CAPOZZI                    | 03-Jan-19 |           | DWG SIZE   | REV |                                   |  |
|   |                              |           |           | B  | D   |                                   |  |