

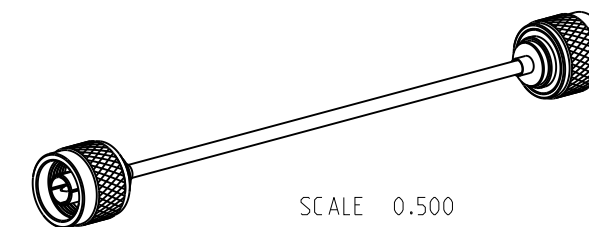
NOTES:

1. MATERIALS AND FINISHES:  
 N STR SOLDER PLUG - BRASS, WHITE BRONZE PLATING  
 CABLE - 0.141 SEMI-RIGID HAND CONFORMABLE
2. ELECTRICAL:  
 A. IMPEDANCE: 50 OHM
3. PACKAGING:  
 A. QUANTITY: SINGLE PACK  
 B. MARKING: BAG TO BE MARKED  
 "AMPHENOL RF, 175101-R2-XX.XX AND DATE CODE"

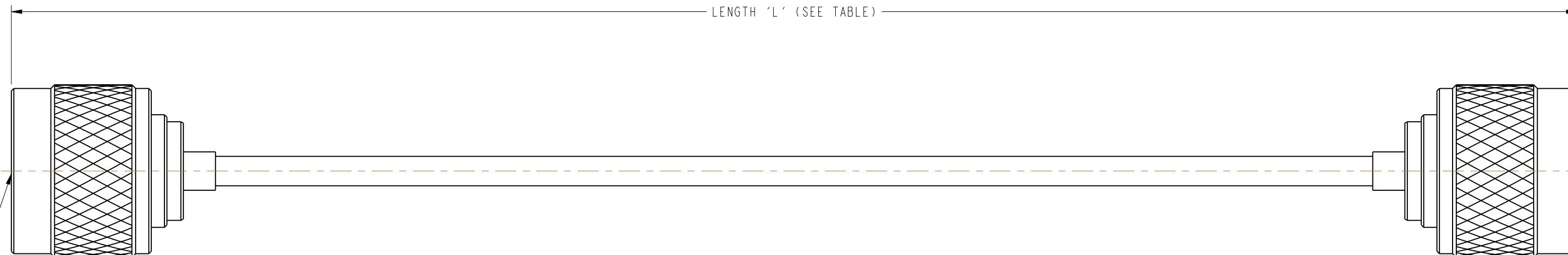
THIRD ANGLE PROJ.

REVISIONS

| REV | DESCRIPTION                                   | DATE      | ECO  | APPR |
|-----|---|-----------|------|------|
| --  | RELEASE TO MFG.                               | --        | --   | --   |
| B   | FORMAT UPDATED, 18.00" & METRIC LENGTHS ADDED | 29-Sep-16 | 1984 | MR   |



LENGTH 'L' (SEE TABLE)



INTERFACE PER MIL-STD-348 SERIES:N PLUG TYP(2)

| LENGTH TABLE           |                      |                               |
|------------------------|----------------------|-------------------------------|
| PART NUMBER (IMPERIAL) | PART NUMBER (METRIC) | LENGTH 'L' IN INCHES [METERS] |
| 175101-R2-06.00        | -                    | 6.00 [0.152]                  |
| -                      | 175101-R2-M0.25      | 9.84 [0.250]                  |
| 175101-R2-12.00        | -                    | 12.00 [0.305]                 |
| 175101-R2-18.00        | -                    | 18.00 [0.457]                 |
| -                      | 175101-R2-M0.50      | 19.69 [0.500]                 |
| 175101-R2-24.00        | -                    | 24.00 [0.610]                 |
| -                      | 175101-R2-M0.75      | 29.53 [0.750]                 |
| 175101-R2-36.00        | -                    | 36.00 [0.914]                 |
| -                      | 175101-R2-M1.00      | 39.37 [1.000]                 |
| 175101-R2-48.00        | -                    | 48.00 [1.219]                 |
| -                      | 175101-R2-M2.00      | 78.74 [2.000]                 |
| -                      | 175101-R2-M4.00      | 157.48 [4.000]                |

| 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 ---- : 1 MAX                     HI-POT: 500 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  | Amphenol RF<br>www.amphenolrf.com   |
|   | SEE NOTES                    | MADHAN G   | 04-Jul-16 | N STR SOLDER PLUG TO N STR SOLDER PLUG, USING 0.141 SEMI-RIGID HAND CONFORMABLE CABLE VARIOUS LENGTH |   |
| 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      | SCALE: 2.0:1.0   | DRAWING NO. 175101-R2-XX-XX<br>ITEM NO. 175101-R2-XX-XX<br>PART NO. 175101-R2-XX-XX |
|   | EAR # 7307                   | GOPI M     | 25-Jan-12 | SHEET 2 OF 2   |   |
|   | CONFIGURATION LEVEL: In Work | APPROVED   | DATE      | DWG SIZE   |   |
| FINISH  |                              | K. CAPOZZI | 29-Sep-16 | B  | B   |

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