

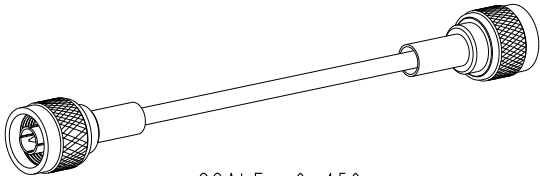
NOTES:

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"

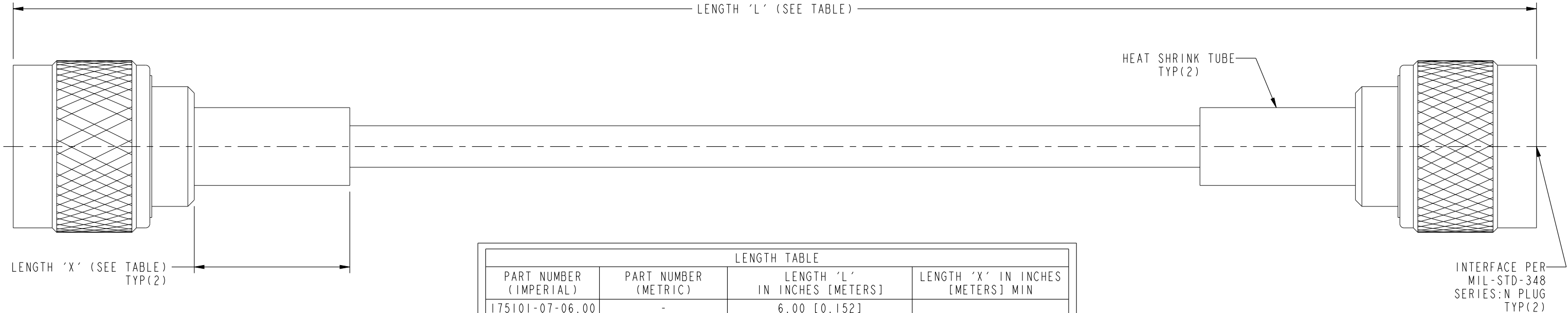
THIRD ANGLE PROJ.

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



SCALE 0.450



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-M4.00	157.48 [4.000]	
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: ____1 MAX.
- ☒ HI-POT: 750 VRMS
- ☐ INS. LOSS: ____ dB MAX.
- ☐ OTHER

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°

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MATERIAL	SEE NOTES
REFERENCE	EAR # 7307
CONFIGURATION LEVEL:	In Work
FINISH	

DRAWN	ANANDH G	DATE	04-Jul-16
ENGINEER	KARTHIK R	DATE	05-Aug-10
APPROVED	K.CAPOZZI	DATE	03-Jan-19
CAD FILE			

TITLE	
N STR PLUG TO N STR PLUG USING RG 142 CABLE VARIOUS LENGTH	
SCALE: 2.1:1.0	SHEET 2 OF 2
DWG SIZE	REV
B	D

Amphenol RF	
www.amphenolrf.com	
DRAWING NO.175101-07-XX-XX	
ITEM NO.175101-07-XX-XX	
PART NO.175101-07-XX-XX	

CUSTOMER OUTLINE DRAWING
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