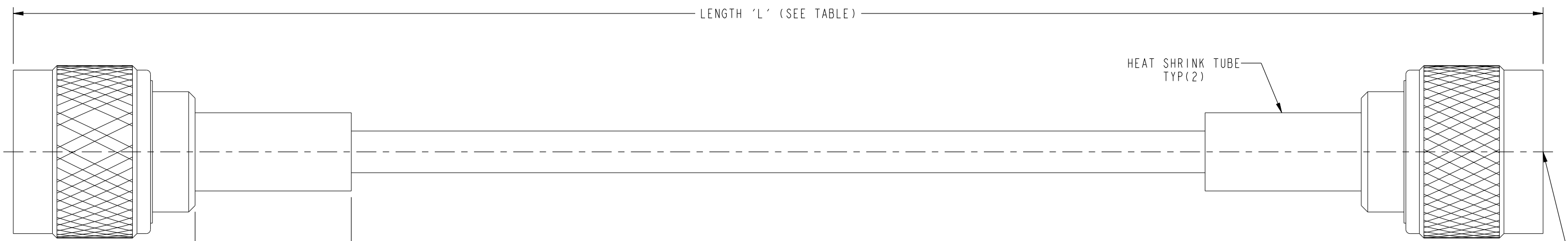
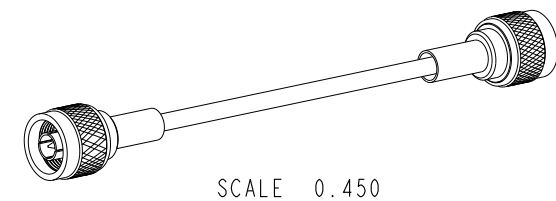


NOTES:

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: ____ 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: 2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES ±.015 (0,381 mm) ±.005 (0,127 mm) ± 1°	MATERIAL	DRAWN	DATE	TITLE N STR PLUG TO N STR PLUG USING RG 142 CABLE VARIOUS LENGTH SCALE: 2.1:1.0 SHEET 2 OF 2		Amphenol RF 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 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		DWG SIZE REV B D		
FINISH	K.CAPOZZI	03-Jan-19					

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

[175101-07-06.00](#) [175101-07-12.00](#) [175101-07-18.00](#) [175101-07-24.00](#) [175101-07-36.00](#) [175101-07-48.00](#)
[175101-07-54.00](#) [175101-07-96.00](#)