

NOTES:

1. MATERIALS AND FINISHES:  
 BODY & COUPLING NUT - BRASS, NICKEL PLATING  
 CONTACT - BeCu, GOLD PLATING  
 BULLET CONTACT - BRASS, GOLD PLATING  
 INSULATOR & INSULATOR DISC - PTFE, NATURAL  
 GASKET & O-RING - SILICONE RUBBER, RED  
 FERRULE - SEAMLESS COPPER, NICKEL PLATING  
 RETAINING RING - PHOSPHOR BRONZE, NICKEL PLATING  
 HEAT SHRINK TUBING - CROSSLINKED POLYOLEFIN, BLACK

2. ELECTRICAL:  
 A. IMPEDANCE: 50 OHM  
 B. FREQUENCY RANGE: DC - 6 GHz  
 C. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.

3. MECHANICAL:  
 A. DURABILITY: 500 CYCLES MIN.  
 B. TEMPERATURE RANGE: -40°C TO +85°C

4. PACKAGING:  
 A. QUANTITY: SINGLE PACK  
 B. MARKING: BAG TO BE MARKED  
 "AMPHENOL RF, 31-6499" AND DATE CODE"

5. CABLE ASSEMBLY INSTRUCTIONS:  
 A. TRIM CABLE AS SHOWN.  
 B. SLIDE HEAT SHRINK TUBING, FERRULE AND INSULATOR DISC ONTO CABLE.  
 C. SOLDER CABLE CENTER CONDUCTOR TO BULLET CONTACT.  
 D. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.  
 E. CRIMP FERRULE OVER BRAID WITH 0.213" HEX DIE.  
 F. APPLY HEAT SHRINK TUBING OVER FERRULE.  
 G. HEAT SHRINK TUBING SHOULD FULLY (360°) COVER THE BUMP ON BODY AND END WITHIN AREA "A"

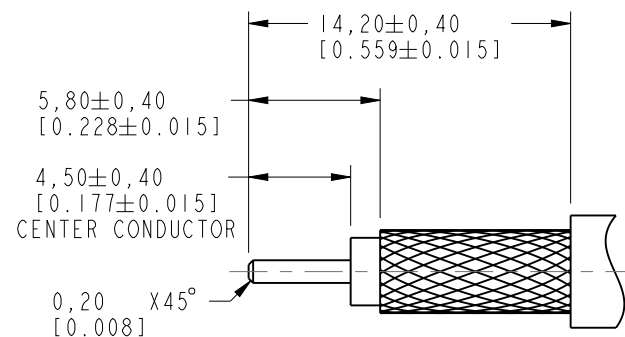
6. RECOMMENDED COUPLING TORQUE : 4-6 IN-LBS.

7. SHOWS CABLE ENTRY DIMENSIONS.

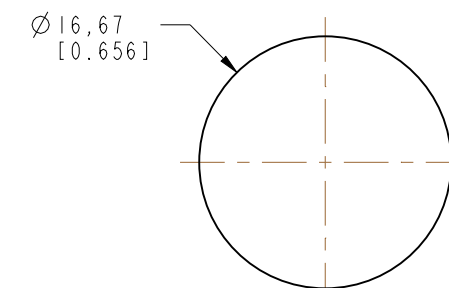
THIRD ANGLE PROJ.

REVISIONS

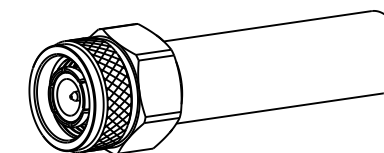
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	18-Jul-12	48949	DD
B	ADDED ARC LOGO TO COUPLING NUT & AMPHENOL RF TO HST RD-DMI3022001R3	01-Mar-13	49418	RM
C	IMPERIAL UNITS ADDED, PART NO. IN PACKAGING NOTES	06-Aug-18	08785	CJV



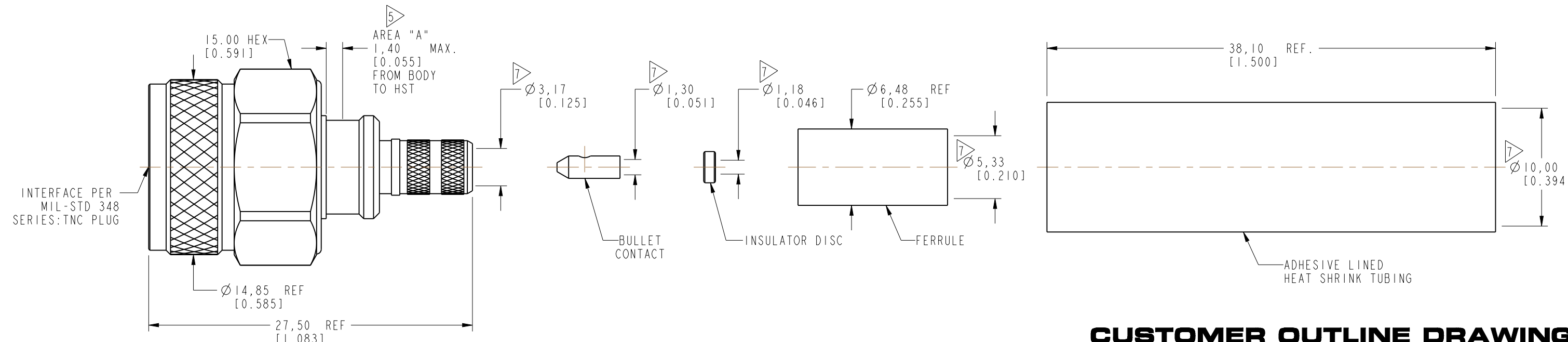
RECOMMENDED CABLE STRIPPING DIMENSIONS



MIN PASS THRU DIAMETER



SCALE 1.000



**CUSTOMER OUTLINE DRAWING**

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:  
 <0.5mm ± 0.05mm    0.5 - 6mm ± 0.1mm    6 - 30mm ± 0.2mm    30 - 120mm ± 0.3mm    ANGLES ± 1°

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.

MATERIAL SEE BOM TABLE	DRAWN R. MAO	DATE 27-Feb-13
REFERENCE EAR# 3374 REF: 31-6365	ENGINEER D. DAVE	DATE 31-Aug-11
CONFIGURATION LEVEL: In Work	APPROVED K. CAPOZZI	DATE 06-Aug-18
FINISH	CAD FILE	

TITLE TNC STR PLUG IP-67 TNC, PLUG	SCALE: 4.0:1.0	SHEET 2 OF 2
DWG SIZE B	REV C	

Amphenol RF	
www.amphenolrf.com	
DRAWING NO.	31-6499
ITEM NO.	31-6499
PART NO.	31-6499