NOTES:

1. GENERAL REQUIREMENTS:
   A. ELECTRICAL:
      CONDUCTOR RESISTANCE (DC) AT 20°C: SHALL BE AS SHOWN IN TABLE 1.
      TEMPERATURE COEFFICIENT OF RESISTANCE (0°C - 100°C): ..00048.
   B. MECHANICAL (BEFORE FORMING):
      COEFFICIENT OF LINEAR EXPANSION (20°C - 100°C): ..0000013.
      TENSILE STRENGTH AT 20°C:
      155,000 PSI, MAXIMUM.
      60,000 PSI, MINIMUM.
      APPROXIMATE MELTING POINT: 1450°C.
      ELONGATION: 20% MINIMUM, PER 2 INCHES.
      WIRE SIZE: AS DELIVERED IN TABLE 1.
   C. CHEMICAL COMPOSITION OF MATERIAL:
      NICKEL: 99.56 PERCENT
      COPPER: .02 PERCENT
      IRON: .095 PERCENT
      CARBON: .04 PERCENT
      MANGANESE: .25 PERCENT
      SILICON: .07 PERCENT
      SULPHUR: .0005 PERCENT
   D. WORKMANSHIP: THE WIRE SHALL BE UNIFORM IN QUALITY AND TEMPER, CLEAN, SOUND, SMOOTH, SCALE, DAMAGED ENDS, WELDS, SCRAPES, CRACKS, LIQUIDS, AND OTHER DEFECTS WHICH ARE NOT IN ACCORDANCE WITH THE BEST PRACTICE FOR HIGH QUALITY MATERIAL.
   E. PACKAGING:
      THE WIRE SHALL BE SHIPPED TOGETHER WITH A DESICCANT AND SEALED IN A PACKAGE.
      THE WIRE SHALL BE WOUND ON A FIVE (5) INCH REEL AND THE TOTAL MAXIMUM WEIGHT OF THE WIRE SHALL NOT EXCEED FIFTEEN (15) POUNDS.
   F. APPROXIMATE MELTING POINT: 1450°C.
      ELONGATION: 20% MINIMUM, PER 2 INCHES.
      WIRE SIZE: AS DELIVERED IN TABLE 1.

2. CONSTRUCTION REQUIREMENTS:
   A. MATERIAL:
      NICKEL: 99.56 PERCENT
      COPPER: .02 PERCENT
      IRON: .095 PERCENT
      CARBON: .04 PERCENT
      MANGANESE: .25 PERCENT
      SILICON: .07 PERCENT
      SULPHUR: .0005 PERCENT
   B. WORKMANSHIP: THE WIRE SHALL BE UNIFORM IN QUALITY AND TEMPER, CLEAN, SOUND, SMOOTH, SCALE, DAMAGED ENDS, WELDS, SCRAPES, CRACKS, LIQUIDS, AND OTHER DEFECTS WHICH ARE NOT IN ACCORDANCE WITH THE BEST PRACTICE FOR HIGH QUALITY MATERIAL.
   C. PACKAGING:
      THE WIRE SHALL BE SHIPPED TOGETHER WITH A DESICCANT AND SEALED IN A PACKAGE.
      THE WIRE SHALL BE WOUND ON A FIVE (5) INCH REEL AND THE TOTAL MAXIMUM WEIGHT OF THE WIRE SHALL NOT EXCEED FIFTEEN (15) POUNDS.
   D. APPROXIMATE MELTING POINT: 1450°C.
      ELONGATION: 20% MINIMUM, PER 2 INCHES.
      WIRE SIZE: AS DELIVERED IN TABLE 1.

3. ENVIRONMENTAL REQUIREMENTS:
   A. WIRE EXCEPT LEAD MATERIAL SPEC.
   B. PHYSICAL DIMENSIONS:
      DIMENSIONS ARE IN INCHES
      TOLERANCES ON FRACTIONS DECIMALS
      DO NOT SCALE THIS DRAWING
   C. MATERIAL
      SEE NOTE 2

4. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327. (AS APPLICABLE).

5. A. WAIVE AS REQUIRED ALL INFORMATION PRESENTED ON THIS DRAWING EXCEPT LEAD MATERIAL SPE.
   B. PHYSICAL DIMENSIONS:
      DIMENSIONS ARE IN INCHES
      TOLERANCES ON FRACTIONS DECIMALS
      DO NOT SCALE THIS DRAWING
   C. DISREGARD TH NOTE IN ITS ENTIRETY IF REFERENCE IS MADE TO THIS DRAWING BY OTHER THAN REVISION LETTER.

PRODUCE ONLY FROM APPROVED SOURCES LISTED ON ND10002034 FOR THIS DRAWING.