NOTES:

1. GENERAL REQUIREMENTS:
   A. ELECTRICAL:
      CONDUCTOR RESISTANCE (0°C) AT 20°C: SHALL BE AS SHOWN IN TABLE 1.
      TEMPERATURE COEFFICIENT OF RESISTANCE (0°C - 100°C): .0048.
   B. MECHANICAL (BEFORE FORMING):
      COEFFICIENT OF LINEAR EXPANSION (20°C - 100°C): .000013.
      TENSILE STRENGTH AT 20°C:
      155,000 PSI, MAXIMUM.
      80,000 PSI, MINIMUM.
      APPROXIMATE MELTING POINT: 1460°C.
      ELONGATION: 20% MINIMUM, PER 2 INCHES.
      WIRE SIZE: AS Delineated in TABLE 1.
2. CONSTRUCTION REQUIREMENTS:
   A. CHEMICAL COMPOSITION OF MATERIAL
      NICKEL . 99.54 PERCENT
      COPPER .02 PERCENT
      IRON .095 PERCENT
      CARBON .04 PERCENT
      TUNGSTEN .75 PERCENT
      SILICON .03 PERCENT
      SULFUR .005 PERCENT
   B. WORKMANSHIP: THE WIRE SHALL BE UNIFORM IN QUALITY AND FREE FROM INJURIOUS FOREIGN MATERIAL, SCRAPES, COLD SHUTS, LAPS, CRACKS, TWISTS, SCALE, DAMAGED ENDS, WELDS, SCORES, PITTS, SCALES 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 MOUNTED ON A FIVE (5) INCH REEL AND THE TOTAL MAXIMUM WEIGHT OF THE WIRE SHALL NOT EXCEED FIFTEEN (15) POUNDS.
3. ENVIRONMENTAL REQUIREMENTS: PER ND1002000.
4. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-G-70327. (AS APPLICABLE).

FOR INFORMATION ONLY
CLASS B RELEASE TDR #00027
DATE 9/13/62

TABLE 1

<table>
<thead>
<tr>
<th>DASH NO.</th>
<th>CONDUCTOR DIMENSION 0.0055</th>
<th>CONDUCTOR RESISTANCE OMS/FOOT AT 20°C .1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1</td>
<td>.0100 X .0100</td>
<td>.3556</td>
</tr>
<tr>
<td>-2</td>
<td>.0100 X .0100</td>
<td>.1520</td>
</tr>
<tr>
<td>-3</td>
<td>.0100 X .0100</td>
<td>.1176</td>
</tr>
<tr>
<td>-4</td>
<td>.0150 X .0250</td>
<td>.0758</td>
</tr>
<tr>
<td>-5</td>
<td>.0100 X .0100</td>
<td>.0942</td>
</tr>
<tr>
<td>-6</td>
<td>.0100 X .0100</td>
<td>.0142</td>
</tr>
<tr>
<td>-7</td>
<td>.005 X .020</td>
<td>.070</td>
</tr>
</tbody>
</table>

© REPLACES REV.B WITH CHANGE