DETAIL SPECIFICATION SHEET

COVER, PLUG AND RECEPTACLE, CONNECTORS, COAXIAL, RADIO FREQUENCY
(HARDWARE FOR RADIO FREQUENCY COAXIAL CONNECTORS)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-PRF-39012.

FIGURE 1. M39012/25-X001 cover for series C female connectors with bead chain.
M39012/25-X002 cover for series C female connectors with safety chain.
M39012/25-X101 cover for series C female connectors with wire rope.
### Item | Material | Description
--- | --- | ---
1 | Silicon rubber | Gasket
2 | Brass | Disc
3 | Steel | Chain assembly
4 | Silicone rubber | V-groove gasket
5 | Brass | Coupling sleeve
6 | Brass | Bayonet sleeve
7 | SST | Wire rope
8 | Teflon or nylon or equivalent | Covering

<table>
<thead>
<tr>
<th>Item</th>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>Silicon rubber</td>
<td>Gasket</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Brass</td>
<td>Disc</td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>Steel</td>
<td>Chain assembly</td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>Silicone rubber</td>
<td>V-groove gasket</td>
</tr>
<tr>
<td><strong>5</strong></td>
<td>Brass</td>
<td>Coupling sleeve</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>Brass</td>
<td>Bayonet sleeve</td>
</tr>
<tr>
<td><strong>7</strong></td>
<td>SST</td>
<td>Wire rope</td>
</tr>
<tr>
<td><strong>8</strong></td>
<td>Teflon or nylon or equivalent</td>
<td>Covering</td>
</tr>
</tbody>
</table>

**NOTES:**
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerance is ±.005 inch (0.13 mm).
3. Safety chain: (Optional) passivated corrosion resistant steel in accordance with MIL-PRF-39012.
4. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 pounds for safety chain. The force shall be attached to the hole in the standard coupling.
5. Bayonets of connector shall lock in bottom slot and shall maintain the connector interface free of dust and moisture.
6. The wire rope shall be specified in MIL-DTL-83420, type 2, composition B.

**FIGURE 1.** M39012/25-X001 cover for series C female connectors with bead chain.
M39012/25-X002 cover for series C female connectors with safety chain.
M39012/25-X101 cover for series C female connectors with wire rope - Continued.
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerance is ±.005 inch (0.13 mm).
3. Standard coupling brass, bead chain monel metal or stainless steel, and sleeve.
4. Safety chain: (Optional) passivated corrosion resistant steel in accordance with MIL-PRF-39012.
5. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 pounds for safety chain. The force shall be attached to the hole in the standard coupling.
6. Bayonets of connector shall lock in bottom slot and shall maintain the connector interface free of dust and moisture.
7. The wire rope shall be specified in MIL-DTL-83420, type 2, composition B.

FIGURE 2. M39012/25-X003 cover for series C male connectors with bead chain.
M39012/25-X004 cover for series C male connectors with safety chain.
M39012/25-X103 cover for series C male connectors with wire rope – Continued.
MIL-PRF-39012/25F
w/AMENDMENT 1

NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ±0.02 inch (0.5 mm) for two place decimals, ±0.005 inch (0.13 mm) for three place decimals, and ± 30' on angles.
3. The material shall be brass. Silver plate shall be in accordance with MIL-PRF-39012, .0001 inch (0.003 mm) thick minimum.

FIGURE 3. M39012/25-0005 shield (Silver plated connectors only).
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerance is ±.005 inch (0.13 mm).
3. Standard coupling brass, bead chain monel metal or stainless steel, and offset coupling, brass.
4. The bead chain to be finished with nickel plate, in-lieu-of silver, conforming to MIL-PRF-39012. (Exception: Parts which are fabricated with monel metal or stainless steel are not required to be plated, provided such parts will pass the corrosion test as specified in MIL-PRF-39012.). The wire rope shall be specified in MIL-DTL-83420, type 2, composition B.
5. The offset coupling must rotate freely after riveting.
6. Safety chain: (Optional) passivated corrosion resistant steel, in accordance with MIL-PRF-39012.
7. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 pounds for safety chain. The force shall be attached to the hole in the standard coupling.
8. Bayonets of connector shall lock in bottom slot and shall maintain the connector interface free of dust and moisture.
9. For alternate construction only.

M39012/25-X007 cover for series BNC female connectors with safety chain.
M39012/25-X106 cover for series BNC female connectors with wire rope – Continued.
MIL-PRF-39012/25F
w/AMENDMENT 1

NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ± .02 inch (0.5 mm) for two place decimals and ± .005 inch (0.13 mm) for three place decimals.
3. End ring assembly brass, bead chain monel metal or stainless steel, and offset coupling, brass.
4. The bead chain to be finished with nickel plate, in-lieu-of silver, conforming to MIL-PRF-39012. (Exception: Parts which are fabricated with monel metal or stainless steel are not required to be plated, provided such parts will pass the corrosion test as specified in MIL-PRF-39012.). The wire rope shall be specified in MIL-DTL-83420, type 2, composition B.
5. The offset coupling must rotate freely after riveting.
6. Safety chain: (Optional) passivated corrosion resistant steel, in accordance with MIL-PRF-39012.
7. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 pounds for safety chain. The force shall be attached to the hole in the standard coupling.
8. Bayonets of connector shall lock in bottom slot and shall maintain the connector interface free of dust and moisture.

FIGURE 5. M39012/25-X008 cover for series BNC male connectors with bead chain.
M39012/25-X009 cover for series BNC male connectors with safety chain – Continued.
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ± .02 inch (0.5 mm) for two place decimals, ± .005 inch (0.13 mm) for three place decimals and ± 30’ on angles.
3. The material shall be brass. Silver plating shall be in accordance with MIL-PRF-39012, .0001 inch (0.003 mm) thick, minimum.

FIGURE 6. M39012/25-0010 shield for series BNC receptacles (Silver plated connectors only).
M39012/25-X012 cap and chain for series N female connectors with safety chain.
M39012/25-X111 cap and chain for series N female connectors with wire rope.
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerance is ± .005 inch (0.13 mm).
4. The bead chain to be finished with nickel plate, in-lieu-of silver, conforming to MIL-PRF-39012.
   (Exception: Parts which are fabricated with monel metal or stainless steel are not required to be
   plated, provided such parts will pass the corrosion test as specified in MIL-PRF-39012.). The wire
   rope shall be specified in MIL-DTL-83420, type 2, composition B.
5. The offset coupling must rotate freely after riveting.
6. Safety chain: (Optional) passivated corrosion resistant steel, in accordance with MIL-PRF-39012.
7. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of
   approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75
   pounds for safety chain. The force shall be attached to the hole in the standard coupling.
8. Caps shall maintain connector interface free from dust and moisture.
9. This dimension is to the end of cap threads.

   M39012/25-X012 cap and chain for series N female connectors with safety chain.
   M39012/25-X111 cap and chain for series N female connectors with wire rope – Continued.
FIGURE 8. M39012/25-0013 armor clamp for M17/74-RG215 and M17/6-RG12 cable.
Silver plated connectors only

<table>
<thead>
<tr>
<th>Inches</th>
<th>mm</th>
<th>Inches</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>.003</td>
<td>0.08</td>
<td>.265</td>
<td>6.73</td>
</tr>
<tr>
<td>.005</td>
<td>0.13</td>
<td>.516</td>
<td>13.11</td>
</tr>
<tr>
<td>.03</td>
<td>0.8</td>
<td>.531</td>
<td>13.49</td>
</tr>
<tr>
<td>.09</td>
<td>2.3</td>
<td>.645</td>
<td>16.38</td>
</tr>
<tr>
<td>.142</td>
<td>3.61</td>
<td>.689</td>
<td>17.50</td>
</tr>
<tr>
<td>.22</td>
<td>5.6</td>
<td>.750</td>
<td>19.05</td>
</tr>
<tr>
<td>.25</td>
<td>6.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ± .02 inch (0.5 mm) for two place decimals, ± .005 inch (0.13 mm) for three place decimals and ± 30’ on angles.
3. The material shall be brass. Silver plating shall be in accordance with MIL-PRF-39012, .0001 inch (0.003 mm) thick, minimum.

FIGURE 8. M39012/25-0013 armor clamp for M17/74-RG215 and M17/6-RG12 cable – Continued.
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ± .02 inch (0.5 mm) for two place decimals, ± .005 inch (0.13 mm) for three place decimals and ± 30' on angles.
3. The material shall be brass. Silver plating shall be in accordance with MIL-PRF-39012, .0001 inch (0.003 mm) thick, minimum.

NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ± .02 inch (0.5 mm) for two place decimals, ± .005 inch (0.13 mm) for three place decimals and ± 30' on angles.
3. Bayonets of connector shall lock in bottom slot and shall maintain the connector interface free from dust and moisture.
4. Marking shall be on any visible surface.
5. All undimensioned configurations are for reference only.
6. Alternate construction only.

M39012/25-X017 shorting plug for series BNC female connectors with safety chain.
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ±0.02 (0.5 mm) for two place decimals and ±0.005 (0.13 mm) for three place decimals.
3. Standard coupling brass, bead chain monel metal or stainless steel, and offset coupling.
4. The bead chain to be finished with nickel plate, in-lieu-of silver, conforming to MIL-PRF-39012.
   (Exception: Parts which are fabricated with monel metal or stainless steel are not required to be plated, provided such parts will pass the corrosion test as specified in MIL-PRF-39012.). The wire rope shall be specified in MIL-DTL-83420, type 2, composition B.
5. The offset coupling must rotate freely after riveting.
6. Safety chain: (Optional) passivated corrosion resistant steel, in accordance with MIL-PRF-39012.
7. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 pounds for safety chain. The force shall be attached to the hole in the standard coupling.
8. Caps shall maintain connector interface free from dust and moisture.

M39012/25-X017 shorting plug for series BNC female connectors with safety chain.
MIL-PRF-39012/25F
w/AMENDMENT 1

NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ±.02 (0.5 mm) for two place decimals and ±.005 (0.13 mm) for three place decimals.
3. Standard coupling brass, bead chain monel metal or stainless steel, and offset coupling, brass.
4. The bead chain to be finished with nickel plate, in-lieu-of silver, conforming to MIL-PRF-39012.
   (Exception: Parts which are fabricated with monel metal or stainless steel are not required to be plated, provided such parts will pass the corrosion test as specified in MIL-PRF-39012.). The wire rope shall be specified in MIL-DTL-83420, type 2, composition B.
5. The offset coupling must rotate freely after riveting.
6. Safety chain: (Optional) passivated corrosion resistant steel, in accordance with MIL-PRF-39012.
7. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 pounds for safety chain. The force shall be attached to the hole in the standard coupling.
8. Caps shall maintain connector interface free from dust and moisture.

FIGURE 12. M39012/25-X018 cap and chain for series TNC male connectors with bead chain.
M39012/25-X019 cap and chain for series TNC male connectors with safety chain.
M39012/25-X118 cap and chain for series TNC male connectors with wire rope – Continued.
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ±0.02 (0.5 mm) for two place decimals and ±0.005 (0.13 mm) for three place decimals.
3. Standard coupling brass, bead chain monel metal or stainless steel, and offset coupling, brass. 
   (Exception: Parts which are fabricated with monel metal or stainless steel are not required to be 
   plated, provided such parts will pass the corrosion test as specified in MIL-PRF-39012.). The wire 
   rope shall be specified in MIL-DTL-83420, type 2, composition B.
4. The bead chain to be finished with nickel plate, in-lieu-of silver, conforming to MIL-PRF-39012.
5. The offset coupling must rotate freely after riveting.
6. Safety chain: (Optional) passivated corrosion resistant steel, in accordance with MIL-PRF-39012.
7. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of 
   approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 
   pounds for safety chain. The force shall be attached to the hole in the standard coupling.
8. Caps shall maintain connector interface free from dust and moisture.
9. All undimensioned configurations are for reference only.

M39012/25-X021 cap and chain for series TNC female connectors with safety chain. 
M39012/25-X120 cap and chain for series TNC female connectors with 
wire rope – Continued.
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ±.02 (0.5 mm) for two place decimals and ±.005 (0.13 mm) for three place decimals.
3. Standard coupling brass, bead chain monel metal or stainless steel, and offset coupling, brass.
4. The bead chain to be finished with nickel plate, in-lieu-of silver, conforming to MIL-PRF-39012. (Exception: Parts which are fabricated with monel metal or stainless steel are not required to be plated, provided such parts will pass the corrosion test as specified in MIL-PRF-39012.). The wire rope shall be specified in MIL-DTL-83420, type 2, composition B.
5. The offset coupling must rotate freely after riveting.
6. Safety chain: (Optional) passivated corrosion resistant steel, in accordance with MIL-PRF-39012.
7. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 pounds for safety chain. The force shall be attached to the hole in the standard coupling.
8. Caps shall maintain connector interface free from dust and moisture.

M39012/25-X023 cap and chain for series SC female connectors with safety chain.
M39012/25-X122 cap and chain for series SC female connectors with wire rope – Continued.

<table>
<thead>
<tr>
<th>Item</th>
<th>Material</th>
<th>Description</th>
<th>Inches</th>
<th>mm</th>
<th>Inches</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Brass</td>
<td>Rivet</td>
<td>.144</td>
<td>3.66</td>
<td>.750</td>
<td>19.05</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>.150</td>
<td>3.81</td>
<td>.937</td>
<td>23.80</td>
</tr>
<tr>
<td>2</td>
<td>Brass</td>
<td>Cap</td>
<td>.250</td>
<td>6.35</td>
<td>3.25</td>
<td>82.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>.635</td>
<td>16.13</td>
<td>3.75</td>
<td>95.2</td>
</tr>
<tr>
<td>3</td>
<td>Silicone rubber</td>
<td>Gasket</td>
<td>.731</td>
<td>18.57</td>
<td>4.00</td>
<td>101.6</td>
</tr>
<tr>
<td>4</td>
<td>SST</td>
<td>Wire rope</td>
<td>.748</td>
<td>19.05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Teflon or nylon or equivalent</td>
<td>Covering</td>
<td>.750</td>
<td>19.05</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### NOTES:

1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ±.02 (0.5 mm) for two place decimals and ±.005 (0.13 mm) for three place decimals.
3. Standard coupling brass, bead chain monel metal or stainless steel, and offset coupling, brass.
4. The bead chain to be finished with nickel plate, in-lieu-of silver, conforming to MIL-PRF-39012. (Exception: Parts which are fabricated with monel metal or stainless steel are not required to be plated, provided such parts will pass the corrosion test as specified in MIL-PRF-39012.). The wire rope shall be specified in MIL-DTL-83420, type 2, composition B.
5. The offset coupling must rotate freely after riveting.
6. Safety chain: (Optional) passivated corrosion resistant steel, in accordance with MIL-PRF-39012.
7. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 pounds for safety chain. The force shall be attached to the hole in the standard coupling.
8. Caps shall maintain connector interface free from dust and moisture.
9. Thread dimensions shall be in accordance with MIL-STD-348 for the SMA interface with pin contact, except the minimum dimension from the face of the cap to the beginning of the thread may be zero inches.
10. The hex flat dimensions shall be in accordance with MIL-STD-348 for the SMA interface with pin contact.

### FIGURE 15.
- M39012/25-3024 cap and chain for series SMA female connectors with bead chain.
- M39012/25-3025 cap and chain for series SMA female connectors with safety chain.
- M39012/25-3124 cap and chain for series SMA female connectors with wire rope – Continued.

### Item | Material | Description | Inches | mm
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stainless steel</td>
<td>Rivet</td>
<td>.144</td>
<td>3.66</td>
</tr>
<tr>
<td>2</td>
<td>Stainless steel</td>
<td>Cap</td>
<td>.150</td>
<td>3.81</td>
</tr>
<tr>
<td>3</td>
<td>Silicone rubber</td>
<td>Gasket</td>
<td>.250</td>
<td>6.35</td>
</tr>
<tr>
<td>4</td>
<td>SST</td>
<td>Wire rope</td>
<td>.281</td>
<td>7.14</td>
</tr>
<tr>
<td>5</td>
<td>Teflon, nylon or equivalent</td>
<td>Covering</td>
<td>.500</td>
<td>12.70</td>
</tr>
</tbody>
</table>

2.25 57.1
3.25 82.5
4.00 101.6
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Unless otherwise specified, tolerances are ±.005 (0.13 mm) for three place decimals.
3. Standard coupling brass, bead chain monel metal or stainless steel, and offset coupling brass.
4. The bead chain to be finished with nickel plate, in-lieu-of silver, conforming to MIL-PRF-39012.
   (Exception: Parts which are fabricated with monel metal or stainless steel are not required to be plated, provided such parts will pass the corrosion test as specified in MIL-PRF-39012.). The wire rope shall be specified in MIL-DTL-83420, type 2, composition B.
5. The offset coupling must rotate freely after riveting.
6. Safety chain: (Optional) passivated corrosion resistant steel, in accordance with MIL-PRF-39012.
7. The chain shall withstand a tensile force as specified. The force shall be applied at a rate of approximately 100 pounds per minute. The applied force shall be 30 pounds for bead chain and 75 pounds for safety chain. The force shall be attached to the hole in the standard coupling.
8. Caps shall maintain connector interface free from dust and moisture.

FIGURE 16. M39012/25-3026 or -4026 cap and chain for series SMA male connectors with bead chain, M39012/25-3027 or -4027 cap and chain for series SMA male connectors with safety chain, M39012/25-3126 or -4126 cap and chain for series SMA male connectors with wire rope – Continued.
NOTES:

1. Cap shall mate with series TRB in accordance with MIL-PRF-49142.
3. Dimensions are in inches. Metric equivalents are for information only.

MIL-PRF-39012/25F
w/AMENDMENT 1

Inches   mm
.015     0.38
.06      1.5
.230     5.84
.240     6.10
.365     9.27
.375     9.53

<table>
<thead>
<tr>
<th>PIN</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>T (thread)</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>M39012/25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-X029</td>
<td>.99</td>
<td>1.07</td>
<td>.510</td>
<td>.700</td>
<td>.125</td>
<td>.4375-28-</td>
<td>TK</td>
</tr>
<tr>
<td></td>
<td>(25.1)</td>
<td>(27.9)</td>
<td>(12.95)</td>
<td>(17.78)</td>
<td>(3.18)</td>
<td>UNEF-2A</td>
<td></td>
</tr>
<tr>
<td>-3029</td>
<td>.96</td>
<td>1.01</td>
<td>.490</td>
<td>.680</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(24.4)</td>
<td>(25.6)</td>
<td>(12.45)</td>
<td>(17.27)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.

FIGURE 18.  M39012/25-X029 or M39012/25-3029, dummy stowage, series TK.
MIL-PRF-39012/25F
w/AMENDMENT 1

PIN
M39012/25

- X030
- 3030

A B C D E T (thread)

SEE NOTE 2

BACK MAY BE OPENED OR CLOSED

E DIA TYP (4 HOLES)

NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Interface shall be in accordance with MIL-STD-348, series TNC minus contacts and dielectric.

FIGURE 19. M39012/25-X030 or M39012/25-3030, dummy stowage, series TNC.
MIL-PRF-39012/25F w/AMENDMENT 1

NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Interface shall be in accordance with MIL-STD-348, series SMA minus contacts and dielectric.

FIGURE 20. M39012/25-3031 or 4031, dummy stowage, series SMA.
**MIL-PRF-39012/25F w/AMENDMENT 1**

**NOTES:**
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Interface shall be in accordance with MIL-STD-348, series N minus contacts and dielectric.

**FIGURE 21. M39012/25-X032 or M39012/25-3032, dummy stowage, series N.**

<table>
<thead>
<tr>
<th>PIN M39012/25</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>T (thread)</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>X032</td>
<td>.671 (17.04)</td>
<td>.756 (19.20)</td>
<td>.723 (18.36)</td>
<td>1.00 (25.4)</td>
<td>.125 (3.18)</td>
<td>.625-24- UNEF-2A</td>
<td>N</td>
</tr>
<tr>
<td>-3032</td>
<td>.641 (16.28)</td>
<td>.716 (18.19)</td>
<td>.713 (18.11)</td>
<td>.985 (25.02)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NOTES:
1. Dimensions are in inches. Metric equivalents are given for information only.
2. Interface shall be in accordance with MIL-STD-348, series SC minus contacts and dielectric.

FIGURE 22. M39012/25-X033 or M39012/25-3033, dummy stowage, series SC.

REQUIREMENTS:
Material: All materials and platings shall be in accordance with the requirements of MIL-PRF-39012.

Design and construction: See figures 1 through 22.

Corrosion (salt spray): In accordance with MIL-STD-202-101, test condition B.

The salt solution concentration shall be 5 percent.

Special detail: After exposure, hardware shall be washed, shaken and lightly brushed as specified in MIL-STD-202-101, and then permitted to dry for 24 hours at 40°C. Hardware shall then be examined for evidence of corrosion and pitting and ease of coupling.

Marking: Marking shall be in accordance with MIL-PRF-39012 except that the marking location may be on the wire rope jacket or on a shrink tubing on the wire rope.

Qualification by similarity: Connectors manufacturers may qualify all applicable PIN’s for dust caps by similarity if they submit any representative sample of a bead chain, safety chain, and wire rope with applicable qualification testing. A manufacturer must be qualified to that connector series using that same material in order to be approved by similarity.

Cross reference data: See tables I and II.
<table>
<thead>
<tr>
<th>PIN 2/ M39012/25-</th>
<th>Figure number</th>
<th>Item-name</th>
<th>Applicable chain</th>
<th>Applicable cable</th>
<th>Applicable connector series</th>
</tr>
</thead>
<tbody>
<tr>
<td>X001</td>
<td>1</td>
<td>Cover</td>
<td>Bead</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X002</td>
<td></td>
<td></td>
<td>Safety</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X101</td>
<td></td>
<td></td>
<td>Wire rope</td>
<td>For use with all series C female connectors</td>
<td></td>
</tr>
<tr>
<td>X003</td>
<td></td>
<td></td>
<td>Bead</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X004</td>
<td></td>
<td></td>
<td>Safety</td>
<td>For use with all series C male connectors</td>
<td></td>
</tr>
<tr>
<td>X103</td>
<td></td>
<td></td>
<td>Wire rope</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X005</td>
<td>3</td>
<td>Shield</td>
<td></td>
<td>M17/6-RG11, M17/74-RG213, M17/163-00001, M17/75-RG214, M17/164-00001 and M17/77-RG216</td>
<td></td>
</tr>
<tr>
<td>X006</td>
<td>4</td>
<td>Cover</td>
<td>Bead</td>
<td>For use with all series BNC female connectors</td>
<td></td>
</tr>
<tr>
<td>X007</td>
<td></td>
<td></td>
<td>Safety</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X106</td>
<td></td>
<td></td>
<td>Wire rope</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X008</td>
<td>5</td>
<td>Cover</td>
<td>Bead</td>
<td>For use with all series BNC male connectors</td>
<td></td>
</tr>
<tr>
<td>X009</td>
<td></td>
<td></td>
<td>Safety</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X010</td>
<td>6</td>
<td>Shield</td>
<td></td>
<td>M17/84-RG223, M17/167-00001, M17/28-RG028 and M17/155-00001</td>
<td></td>
</tr>
<tr>
<td>X011</td>
<td></td>
<td>Cap and chain</td>
<td>Bead</td>
<td>For use with all series N female connectors</td>
<td></td>
</tr>
<tr>
<td>X012</td>
<td></td>
<td></td>
<td>Safety</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X111</td>
<td></td>
<td></td>
<td>Wire rope</td>
<td>Series C and N connectors using applicable cables and 11/16 accessory thread</td>
<td></td>
</tr>
<tr>
<td>X013</td>
<td>8</td>
<td>Armor clamp</td>
<td></td>
<td>M17/74-RG215, M17/6-RG12</td>
<td></td>
</tr>
<tr>
<td>X014</td>
<td>9</td>
<td>Armor clamp</td>
<td></td>
<td>M17/79-RG219</td>
<td></td>
</tr>
<tr>
<td>X015</td>
<td>10</td>
<td>Cap</td>
<td></td>
<td>For use with all series BNC female connectors</td>
<td></td>
</tr>
<tr>
<td>X016</td>
<td></td>
<td></td>
<td>Bead</td>
<td>For shorting series BNC female connectors</td>
<td></td>
</tr>
<tr>
<td>X017</td>
<td>11</td>
<td>Shorting plug</td>
<td>Safety</td>
<td>For use with all series TNC male connectors</td>
<td></td>
</tr>
<tr>
<td>X116</td>
<td></td>
<td></td>
<td>Wire rope</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X018</td>
<td>12</td>
<td>Cap</td>
<td>Bead</td>
<td>For use with all series TNC male connectors</td>
<td></td>
</tr>
</tbody>
</table>

See notes at end of the table.

TABLE I. Cross reference for hardware to connectors and cable – Continued. 1/

<table>
<thead>
<tr>
<th>PIN 2/ M39012/25-</th>
<th>Item-name</th>
<th>Applicable cable</th>
<th>Applicable connector series</th>
</tr>
</thead>
</table>

37
<table>
<thead>
<tr>
<th>M39012/25-</th>
<th>Figure number</th>
<th>Applicable chain</th>
<th>Applicable connector series</th>
</tr>
</thead>
<tbody>
<tr>
<td>X019</td>
<td>12</td>
<td>Cap</td>
<td>Safety</td>
</tr>
<tr>
<td>X118</td>
<td></td>
<td></td>
<td>Wire rope</td>
</tr>
<tr>
<td>X020</td>
<td>13</td>
<td>Cap</td>
<td>Bead</td>
</tr>
<tr>
<td>X021</td>
<td></td>
<td></td>
<td>Safety</td>
</tr>
<tr>
<td>X120</td>
<td></td>
<td></td>
<td>Wire rope</td>
</tr>
<tr>
<td>X022</td>
<td>14</td>
<td>Cap</td>
<td>Bead, safety and wire rope</td>
</tr>
<tr>
<td>X023</td>
<td></td>
<td></td>
<td>Bead</td>
</tr>
<tr>
<td>X122</td>
<td></td>
<td></td>
<td>Wire rope</td>
</tr>
<tr>
<td>3024</td>
<td></td>
<td>Cap</td>
<td>Safety</td>
</tr>
<tr>
<td>3025</td>
<td></td>
<td></td>
<td>Wire rope</td>
</tr>
<tr>
<td>3124</td>
<td></td>
<td>Cap</td>
<td>Bead</td>
</tr>
<tr>
<td>4024</td>
<td></td>
<td></td>
<td>Wire rope</td>
</tr>
<tr>
<td>4025</td>
<td></td>
<td>Cap</td>
<td>Safety</td>
</tr>
<tr>
<td>4124</td>
<td></td>
<td></td>
<td>Wire rope</td>
</tr>
<tr>
<td>3026</td>
<td></td>
<td>Cap</td>
<td>Safety</td>
</tr>
<tr>
<td>3027</td>
<td></td>
<td></td>
<td>Wire rope</td>
</tr>
<tr>
<td>3126</td>
<td></td>
<td>Cap</td>
<td>Bead</td>
</tr>
<tr>
<td>4026</td>
<td></td>
<td></td>
<td>Wire rope</td>
</tr>
<tr>
<td>4027</td>
<td></td>
<td>Cap</td>
<td>Safety</td>
</tr>
<tr>
<td>4126</td>
<td></td>
<td></td>
<td>Wire rope</td>
</tr>
<tr>
<td>X028</td>
<td>17</td>
<td>Cap</td>
<td>Wire rope</td>
</tr>
<tr>
<td>X029</td>
<td>18</td>
<td>Dummy stowage</td>
<td></td>
</tr>
<tr>
<td>3029</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X030</td>
<td>19</td>
<td>Dummy stowage</td>
<td></td>
</tr>
<tr>
<td>3030</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3031</td>
<td>20</td>
<td>Dummy stowage</td>
<td></td>
</tr>
<tr>
<td>4031</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X032</td>
<td>21</td>
<td>Dummy stowage</td>
<td></td>
</tr>
<tr>
<td>3032</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See notes at the end of the table.

TABLE I. Cross reference for hardware to connectors and cable – Continued. 1/

<table>
<thead>
<tr>
<th>PIN 2/</th>
<th>Item-name</th>
<th>Applicable cable</th>
<th>Applicable connector series</th>
</tr>
</thead>
</table>
MIL-PRF-39012/25F
w/AMENDMENT 1

<table>
<thead>
<tr>
<th>M39012/25-</th>
<th>Figure number</th>
<th>Applicable chain</th>
<th>For use with all series SC male connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>X033</td>
<td>22</td>
<td>Dummy stowage</td>
<td></td>
</tr>
<tr>
<td>3033</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1/ This hardware is superseded by MIL-C-71, MIL-C-3989, MIL-C-3608, REA49131, REB49047, REA49049 and REB49068.

2/ The PIN (including dash number ) with the definition of its makeup is defined in section 1 of the basic specification, MIL-PRF-39012.

**TABLE II. Cross reference PIN to superseded type designation.**

<table>
<thead>
<tr>
<th>PIN</th>
<th>Superseded type designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>MX-1142A/U</td>
</tr>
<tr>
<td>0003</td>
<td>MX-1143A/U</td>
</tr>
<tr>
<td>0005</td>
<td>MX1144/U</td>
</tr>
<tr>
<td>0006</td>
<td>CW-123A/U</td>
</tr>
<tr>
<td>0008</td>
<td>CW-282/U</td>
</tr>
<tr>
<td>0010</td>
<td>MX-195A/U</td>
</tr>
<tr>
<td>0011</td>
<td>MX-913/U</td>
</tr>
<tr>
<td>0013</td>
<td>MX-1286/U</td>
</tr>
<tr>
<td>0014</td>
<td>MX-1441/U</td>
</tr>
<tr>
<td>0015</td>
<td>CW-155A/U</td>
</tr>
<tr>
<td>0016</td>
<td>CW-159/U</td>
</tr>
<tr>
<td>0017</td>
<td></td>
</tr>
</tbody>
</table>

Amendment Notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Referenced documents. In addition to MIL-PRF-39012, this document references the following:

MIL-DTL-83420
MIL-STD-202-101
MIL-STD-348
MIL-PRF-49142
CONCLUDING MATERIAL

Custodians:
Army – CR
Navy – EC
Air Force – 85
DLA – CC

Preparation activity:
DLA - CC

Review activities:
Army – AR, AT, AV, EA, MI
Navy – AS, MC, OS, SH
Air Force – 19, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at https://assist.dla.mil.