J-1077A/U DISTRIBUTION BOX,
J-2317A/U DISTRIBUTION BOX,
U-185B/G, U-186C/G, U-187A/G
26 PAIR CONNECTORS

The above listed items make up part of those components available to provide a 26 pair connecting system designed for mobile, transportable and semi-permanent military communication facilities.

SYSTEM FEATURES:

- System comprised of 26-pair cable assemblies, 26-pair connectors and distribution boxes.
- High-reliability 26 pair connectors are designed for speedy, foolproof interconnections under extreme field conditions, are impossible to mismate, even in the dark.
- 26 pair plugs mate interchangeably with both receptacles and plugs, permitting connection of either cable end to any other cable end of distribution box.
- Redundant 26 pair design provides 104 contacts for 52 cable conductors (26 pairs) assures circuit continuity with up to 50% contact damage (jumpers linking redundant contact pairs are welded for reliability).
- Rugged, waterproof 26 pair connectors resist wear and damage caused by dragging on the ground or through water, even without covers.
- Four standard types of 26-pair cable assemblies are available:
  - 250 ft. cable with two plugs and cable reel.
  - 250 ft. cable with two plugs.
  - 25 ft. cable with two plugs.
  - 15 ft. cable with one plug and one stripped, dressed and identified end.
  (other lengths available on request)
- Cable reel with hold-down strap accommodates up to 250’ of cable, permits free unreeling under all conditions.
- Two types of distribution boxes are available:
  1) Larger model contains four receptacles, each connected to one of four sets of 52 binding posts, a total of 208 binding posts.
  2) Smaller model contains two receptacles connected in parallel and to one set of 52 binding posts.
- Distribution box binding posts facilitate connection of stripped cable wires with spring-loaded, cam-action jaws.
- Special contact test assembly without jumpers permits testing plugs and receptacles, contact by contact, quickly and easily.
## SPECIFICATIONS AND PRODUCT DESCRIPTION

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Connectors</th>
<th>U-185B/G M-55074/1-01</th>
<th>26 PAIR Plug, cable type.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>U-186C/G M-55074/2-01</td>
<td>26 PAIR Receptacle, panel type.</td>
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<tr>
<td></td>
<td>U-187A/G M-55074/3-01</td>
<td>26 PAIR Receptacle, panel type.</td>
</tr>
<tr>
<td></td>
<td>MX-3227/G M-55074/4-01</td>
<td>26 PAIR Contact Assembly.</td>
</tr>
<tr>
<td>Cable</td>
<td>CX4566A/G (as applicable)</td>
<td>*CABLE ASSEMBLY, consists of (2) U-185G connectors and 250' of WM-130/G cable wound on RC-435/U reel.</td>
</tr>
<tr>
<td></td>
<td>CX-4566A/G</td>
<td>*CABLE ASSEMBLY, consists of (2) U-185G connectors and 250' of WM-130/G cable without reel.</td>
</tr>
<tr>
<td></td>
<td>CX-4760A/U</td>
<td>*CABLE ASSEMBLY, consists of (1) U-185/G connector and 15' of WM-130/G cable with free end of cable stripped and identified.</td>
</tr>
<tr>
<td>Distribution</td>
<td>J-1077A/U</td>
<td>DISTRIBUTION BOX, consists of (2) U-187A/G Boxes connectors and (52) binding posts with internal wiring.</td>
</tr>
<tr>
<td></td>
<td>J-2317A/U</td>
<td>DISTRIBUTION BOX, consists of (4) U-187A/G connectors and (208) binding posts with internal wiring.</td>
</tr>
<tr>
<td>Cable Reel</td>
<td>SIG. CORPS. DWG. # SC-C-136011</td>
<td>SPRING BINDING POST ASSEMBLY with O-ring, flat washer, split washer and nut hardware</td>
</tr>
</tbody>
</table>

*Other cable lengths can be supplied on request.

### SPECIFICATIONS

**CONNECTOR, PLUG ELECTRICAL.**
- U-185B/G CONNECTOR, RECEPTACLE, ELECTRICAL.
- U-186C/G CONNECTOR, RECEPTACLE, ELECTRICAL.
- U-187A/G CONTACT ASSEMBLY, ELECTRICAL MX-3227/G (as applicable).
- HOUSINGS: Die-cast aluminum alloy with protective finish per MIL-F-14072.
- GASKETS AND GLANDS: Silicone rubber.
- INSULATORS: Diallyl phthalate, glass-filled.
- INSULATION RESISTANCE: 1000 megohms, minimum.
- CONTACTS: Beryllium copper, gold plated.
- CONTACT RESISTANCE: 7 milliohms, maximum.
- IMMERSION: per MIL-C-55074.
- MOISTURE RESISTANCE: Per MIL-C-55074.
- AIR LEAKAGE: per MIL-C-55074.
- VIBRATION: per MIL-C-55074.
- TEMPERATURE: -65°F to 150°F.
- OVERALL DIMENSIONS (approx.):
  - U-185B/G 2.437" X 2.750" X 13.125"
  - U-186C/G 3.500" X 4.000" X 6.375"
  - U-187A/G 2.375" X 3.125" X 6.375"

**CABLE ASSEMBLY, TELEPHONE:**
- CX-4566A/G AND CX-4760A/U.
- CABLE RESISTANCE:
  - CX-4566A/G (25') 10 ohms, max.
  - CX-4566A/G (25') 1 ohm, max.
  - CX-4760A/U 1 ohm, max.
- INSULATION RESISTANCE: 1000 megohms, minimum.
- MILITARY SPECIFICATION: MIL-C-55486.
- DISTRIBUTION BOX J-2317A/U and J-1077A/U.
- MATERIAL: .080" thick aluminum, welded construction.
- OVERALL DIMENSIONS (approx.):
  - J-2317A/U 35.000" X 17.000" X 4.500" (LWH).
  - J-1077A/U 14.500" X 8.500" X 8.000" (LWH).
- MATERIAL: Tubular steel, integrally welded, nylon coating, black.
- CAPACITY: 250' cable, maximum.
- CABLE REEL RC-435/U.
- MATERIAL: Tubular steel, integrally welded, nylon coating, black.
- CAPACITY: 250' cable, maximum.
- BINDING POST: SC-C-136011.
- MATERIAL: Brass, machined (terminal) Nylon (housing).

**ASSOCIATED INDUSTRIES**

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