



**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 mismatch, 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	PRODUCT	MILITARY P/N	DESCRIPTION
	Connectors	U-185B/G M-55074/1-01 U-186C/G M-55074/2-01 U-187A/G M-55074/3-01 MX-3227/G M-55074/4-01	26 PAIR Plug, cable type. 26 PAIR Receptacle, panel type. 26 PAIR Receptacle, panel type. 26 PAIR Contact Assembly.
	Cable	CX4566A/G Assemblies CX-4566A/G CX-4566A/G CX-4760A/U RC-435/U	*CABLE ASSEMBLY, consists of (2) U-185G connectors and 250' of WM-130/G cable wound on RC-435/U reel. *CABLE ASSEMBLY, consists of (2) U-185G connectors and 250' of WM-130/G cable without reel. *CABLE ASSEMBLY, consists of (2) U-185/G connectors and 25' of WM-130/G cable without reel. *CABLE ASSEMBLY, consists of (1) U-185/G connector and 15' of WM-130/G cable with free end of cable stripped and identified. REEL
	Distribution	J-1077A/U J-2317A/U	DISTRIBUTION BOX, consists of (2) U-187A/G Boxes connectors and (52) binding posts with internal wiring. DISTRIBUTION BOX, consists of (4) U-187A/G connectors and (208) binding posts with internal wiring.
	Cable Reel	SIG. CORPS. DWG. # SC-C-136011 SIG. CORPS. DWG. # SC-C-136011	SPRING BINDING POST ASSEMBLY with O-ring, flat washer, split washer and nut SPRING BINDING POST ASSEMBLY without Birding Post hardware

*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"

MILITARY SPECIFICATION: MIL-C-55074, MIL-STD-454.

CABLE ASSEMBLY, TELEPHONE:

CX-4566A/G AND CX-4760A/U.

CABLE RESISTANCE:

CX-4566A/G (250') 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