

RELIA-COM™

J-1077 IP

US Patent # 7,238,063 B2 NSN 6110-01-550-3032

J-2317 IP

***Superior Performance
and Reliability
in Field Communications***

DTSearch & Designs, LLC
"Tomorrow's innovations today."

THE DTS RELIA

A new level of reliability in field communication systems.

RELIA-COM™ J-1077 IP



Superior Performance:

- Virtually no crosstalk or bleed-over
- Built-in redundancy
- Remote capability for VHF, HF, UHF and SHF antennas
- Data-ready – Ethernet and fiber-optic-ready
- Field repairable – Quick and easy troubleshooting
- Proven in actual field communications exercises.

The DTS Relia-Com System represents a dramatic improvement in field communications technology, enabling reliable multi-mode communication through 26 pair Category 5E cables.

The J-1077 IP Distribution Box, the J-2317 IP Distribution Box, and 26 pair Category 5E cable comprise a complete field communication system that is unmatched in speed of set-up, ease of use, and reliability under the most challenging field conditions, with speeds up to 300 MHz.

RELIA-COM™ J-2317 IP



With the DTS Relia-Com System, set-up and tear-down times are minimized, and clarity of communications is vastly improved, with crosstalk and bleed-over virtually eliminated.

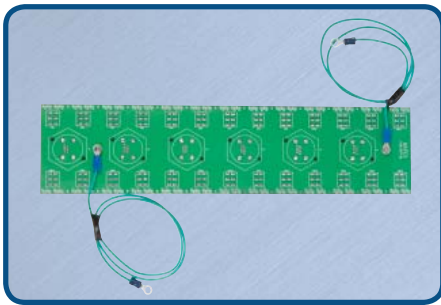
26 pair Category 5E cable



Relia-Com™ SYSTEM

The DTS Relia-Com System supports your mission – with clear, reliable multi-mode communications.

- The J-2317 IP Distribution Box and the J-1077 IP Distribution Box enable multiple communication modes – VHF, HF, UHF, SHF, data, fiber and phone – data-ready, Ethernet and fiber-optic-capable.
- 26 pair Category 5E cable gives a clearer signal over longer distances and is more damage-resistant than multiple cables.
- Virtually no crosstalk or bleed-over. The widely separated bank-to-bank wiring of the J-1077 IP has been replaced by a solid-state Cat 5E circuit board with precisely spaced balanced microstrip traces for impedance matching.



- New quick-connect Mil-Lok™ connectors inhibit accidental disengagement. Set-up is easier, as stripping of wires is no longer required.



- The J-2317 IP has 200% redundancy, 208 connection points with Mil-Lok connectors. The J-1077 IP has 52 connection points. The connectors can be replaced in minutes, if necessary.

- In the J-2317, four 24-port patch panels enable distribution of links in communications channels, which allows for simultaneous extension, connecting and cross-connecting of radio, wire and data communications.
- Quick and easy troubleshooting. Double pole toggle switches on each line/pair enable operator to test, open and close circuit.



- Field repairability by operators eliminates down time.



- Remote capability for VHF, HF, UHF and SHF antennas.
- The J-2317 IP provides up to 208 connectors and 48 Ethernet connections. Additionally, T-1 systems, RJ-45A and B, RJ-12 and 11, fiber, B&C, RCA, S-Video, VGA and SVGA connections are available options.
- Quick, easy set-up and tear-down.

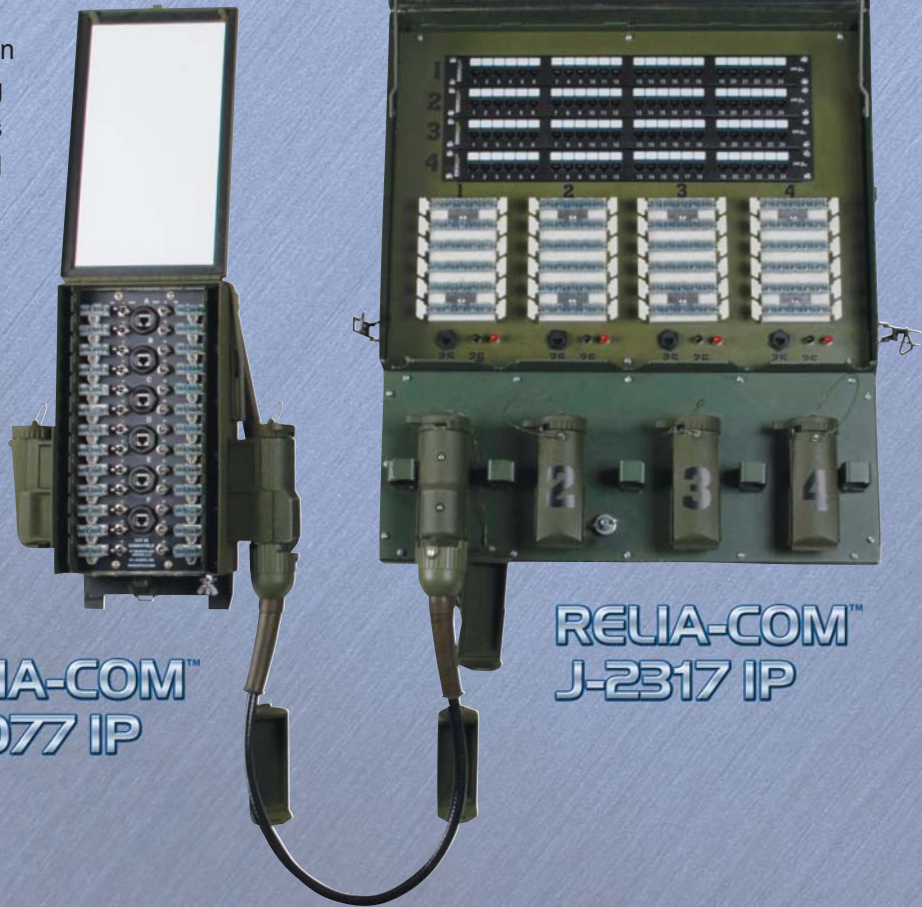
DT Search & Designs, LLC

DT Search & Designs, LLC is a research, production and marketing company that strives to enhance the industries it serves by developing innovative products that will benefit the national interest, people, the economy and the environment.

The DTS Relia-Com™ Systems technology components provide superior performance and reliability in military field communications.

Reliable, clear and concise communication between units during combat operations is essential to successful completion of any mission. Count on DTS Relia-Com Systems when communication is critical.

The Relia-Com System



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J-1077 IP**

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