DYNETCOM

Coax Patching

Coax Patching

- ***Expertise in patching for over four decades***
- ***Supports full range of IF frequencies for satellite applications***
- ***Used throughout the radio and television industry***
- ***Exceptional degree of flexibility***
- ***Optimum performance and reliability***

Dynetcom offers a wide range of interfaces for patching; Coax, Twinax, Serial, Manual and Automatic A/B patching/switching. Our products have been in use for more than four decades, originally developed under the name Cooke Engineering.

The Dynetcom Coax Patch panel is the only product that will support the full range of IF frequencies for satellite applications. These patching products are used in many radio and TV stations throughout the world. Other customers are using them in radar installations and with other equipment operating over coax cables.

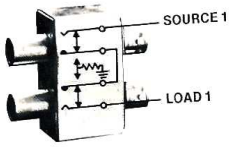
Our Coax Patching products provide an exceptional degree of flexibility in configuring coaxial equipment. This flexibility is achieved by connecting each piece of equipment (source and load) to a patch jack. Any source in the system may then be connected to any load simply by inserting a patch cord between the appropriate jack.

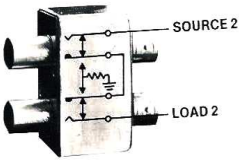
Dynetcom patch jacks feature an internal normal-through path connecting the source to its load. When a patch is required, the action of inserting the patch cord in the jack will open the normal-through path. The source signal is brought through the patch cord and applied to the new load.

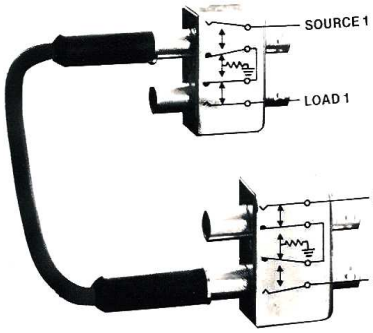
Additionally, our patch jacks have internal resistors to automatically provide the necessary termination for the source signal when a patch is made to its load. Special test cables permit on-line monitoring of any signal without interrupting the normal-through path.

The use of Dynetcom Coaxial shielded patching jacks with their internal normal-through path provides optimum performance and maximum reliability by reducing interference due to EMI, RFI, hum, noise, and cross talk.

Dynetcom Coaxial patch jacks, patch cords, and test probes are guaranteed against defects in materials and workmanship for the life of the original equipment installation.







Communication solutions from

NSGDatacom

extend. evolve. innovate.

DYNETCOM

Coax Patching

The four types of coaxial jacks available from Dynetcom are all physically interchangeable, so that custom patch panels can easily be assembled. COTERM®,COJAX®, and both types of COPATCH jacks can be selected and intermixed in a standard 19-inch wide panel to meet your specific patching requirements. The rear of each patch jack is equipped with standard BNC connectors. Dynetcom test probes may be used to monitor the signal without interrupting the traffic. Patch cords and test probes are available in both standard and custom lengths.

COTERM® 22T
The COTERM® 22T is a normal-through / self terminating jack. The source signal is brought through the jack and applied to the load. When a patch is made, the normal-through path is opened, the patch signal is applied to the patch cord and the unused signal path is terminated. This patch jack is available with either 50, 75, or 93 ohm terminating resistors. U.S. Air Force acceptance: GEEIA BOM catalogue No. 6499.

COJAX® 22B
This jack provides a normal-through path connecting the source to the load. When a patch cord is inserted, the normal -through path is opened and the patch signal is applied to the patch cord. This jack does not provide termination of the unused path.

COPATCH 2-2A
The COPATCH 2-2A is a normally terminated jack. It provides convenient patch access to two separate live source signals. When a patch cord is inserted, the terminating resistor is switched out and the signal is applied to the patch cord. This jack is available with 50, 75, or 93 ohm terminating resistors.

COPATCH 2-2
The COPATCH 2-2 provides patch access to test equipment, trunk lines or other coaxial equipment. It does not provide a normal-through path or termination of the data path.

COAXIAL PANELS, CORDS AND PROBES

COAXIAL PANELS
Phenolic panels are available either 1 3/4" or 3 1/2" high for standard rack mounting. COTERM®, COJAX® or COPATCH® jacks may be mounted interchangeably in all panels. Each panel holds up to 22 jacks. Four standard 19" wide panels are available.

Model 105-113-22: Metal, 1U, 1 3/4" high
Model 105-114-22: Phenolic, 1U, 1 3/4" high
Model 105-115-22: Metal, 2U, 3 1/2" high
Model 105-112-22: Phenolic, 2U, 3 1/2" high

PLUGS
Model 105-13: Dummy plug for opening normal-through connections
Model 105-14: Terminating plug for use with COJAX or COPATCH 2-2 to terminate source in proper impedance.

Coax patch cable end set and test probe end set are available

PATCH CORDS
Model 105-057/(XX)-(Y)
Standard Patch Cord constructed with soldered center pin and crimped sleeve shield connections.
Model 105-057/(XX)-**BNC**-(Y)
Patch plug on one end, BNC male connector on the other end.

TEST PROBE CORDS
Model 105-5/(XX)-(Y)
Test probe on one end, patch plug on the other end.
Model 105-5A/(XX)-(Y)
Test probe on one end, BNC male connector on the other end.
Model 105-5B/(XX)-(Y)
Test probe on one end, UHF male connector on the other end.

Standard Patch Cord Lengths and Impedances
(XX) indicates the Patch Cord Ohm Impedance 75, 50, or 93 Ohms.
(Y) indicates length in feet. Standard lengths are 2ft(0.6m), 3ft(0.9m), 4ft(1.2m), 5ft(1.5m), and 6ft(1.8m).

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Specifications subject to change without notice