



Twinax Patching

- **Expertise in patching for over four decades**
- **Supports full range of IF frequencies for satellite applications**
- **Exceptional degree of flexibility**
- **Optimum performance and reliability**
- **Lifetime Warranty**

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 Twinax Patch equipment is compatible with the requirements of MIL-STD-1553B. These Patch panels are frequently used in testing labs, analog and digital signal transmission, video distribution and secure communications such as (C³) in military aircraft. The balance line twinaxial cable provides improved protection against electro-magnetic interference.

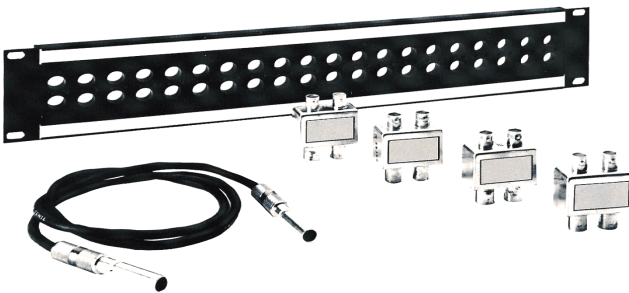
Our Twinax Patching equipment provides an exceptional degree of flexibility in configuring coaxial equipment. This flexibility is achieved by connecting each piece of equipment (source and load) to a patch jack. Any source in the system may then be connected to any load simply by inserting a patch cord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



Twinax Patching

The four types of twinaxial jacks available from Dynetcom are all physically interchangeable, so that custom patch panels can easily be assembled. TWINTERM, TWINAX, and both types of TWINPATCH 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 a polarized twinaxial 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.

TWINTERM 20T

The TWINTERM 20T 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 78, 98, 124, or 135 ohm terminating resistors.

TWINJAX 20B

The TWINJAX 20B 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.

TWINPATCH 20A

The TWINPATCH 20A 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 78, 98, 124, or 135 ohm terminating resistors.

TWINPATCH 20

The TWINPATCH 20 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.

TWINAXIAL PANELS, PATCH CORDS AND TEST PROBE CORDS

TWINAXIAL PANELS

Phenolic panels are available either 1 3/4" or 3 1/2" high for standard rack mounting. TWINTERM, TWINJAX or TWINPATCH jacks may be mounted interchangeably in all panels. Each panel holds up to 20 jacks. Four standard 19" wide panels are available

Model 152-20-20: Metal, 1U, 1 3/4" high

Model 152-21-20: Phenolic, 1U, 1 3/4" high

Model 152-22-20: Metal, 2U, 3 1/2" high

Model 152-23-20: Phenolic, 2U, 3 1/2" high

PATCH CORDS

Model 152-10/(XX)-(Y)

Standard Signal Channel Patch Cord.

Model 152-11/(XX)-(Y)

Patch Cord with Test Points for Monitoring Patched Circuits.

Model 152-15/(XX)-(Y)

Duplex Patch Cord.

Model 152-10BTM/(XX)-(Y)

Patch to Bantam Plug Cord.

TEST PROBE CORDS

Model 152-12/(XX)-(Y)

Test Probe Plug to Polarized Twinaxial BNC Connector Cord.

Model 152-13/(XX)-(Y)

Test Probe to Twinaxial Concentric Connector Cord.

Model 152-14/(XX)-(Y)

Test probe to Patch Plug Cord

Twinax patch cable end set and test probe end set are available for customers to make their own custom cables.

Standard Cable Lengths

(Y) indicates length in feet. Standard lengths are 2ft(0.6m), 3ft(0.9m), 4ft(1.2m), 5ft(1.5m), and 6ft(1.8m).

(XX) indicates ohm impedance of the cable: 78, 98, 124, or 135 ohm.

NSGDatacom

www.nsgdata.com

3859 Centerview Drive, Suite 500
Chantilly, VA, 20151-3232 USA
Phone: +(1) 703 793 2000
Fax: +(1) 703 793 2001

5112 Pegasus Court, Suite X
Frederick, MD, 21704 USA
Phone: +(1) 301 662 5926
Fax: +(1) 301 694 6279

The Brackens, London Road
Ascot, Berkshire SL5 8BE, UK
Phone: +(44) 1344 893 000
Fax: +(44) 1344 891 990