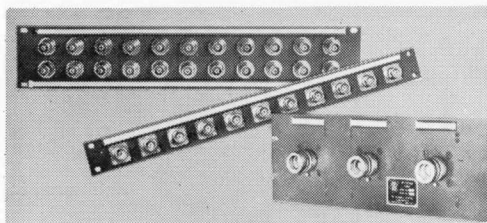




THE TECHNICAL MATERIEL CORPORATION CONNECTOR

Tel. Area Code 914 698-4800

TWX 914-835-3782

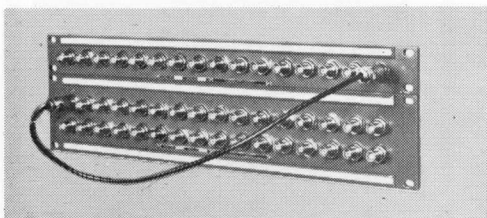


QDP

QUICK DISCONNECT RF PATCHING PANELS

The TMC Series QDP RF Patching Panels utilize the unique Quick Disconnect type coaxial connectors. The series consists of three types, the QDL, Quick Disconnect Large, replacing the LC series (thread type), the QDS, Quick Disconnect Small, replacing type UHF, N or C and the new QDM, Quick Disconnect Miniature, replacing type BNC. The QDL connectors are for use with the 10,000 volt rated cables, the QDS series is rated at 4,000 volts and the compact QDM series has a rating of 500 volts.

The Patch Panel Models QDP are available to adapt between series, such as QDL to N, QDS to UHF, QDM to BNC, etc., wherever a termination and/or adaptation is required. It should also be noted that cable terminations (CA) to Quick Disconnect connectors form an important part of the series.



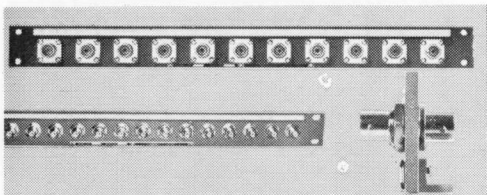
SPP

RF SWITCHING PATCH PANELS

50 or 70 ohm

The TMC Series SPP RF Switching Patch Panels are normal thru type and are provided in standard series; for rear connections: such as BNC, N, C-, UHF; and to type QDS, QDM, C, and BNC Quick Disconnect Switch Series on the Front Panel. The connectors utilize a special patent switch jack assembly which permits complete coaxial RF Switching without frictional sliding contacts. The switch mechanism is completely sealed, and the assemblies use TMC "RTG" (Rhodium-Teflon-Gold) construction throughout. These units have exceeded shock and vibration test of MIL-S-901 and MIL-STD-167. The VSWR via normal or "switched" path does not exceed 1.02/1 over the frequency range of 2 to 32 mcs. Isolation from jack to jack with "normals" terminated is 55 db. at 8 mcs., 42 db. at 30 mcs.

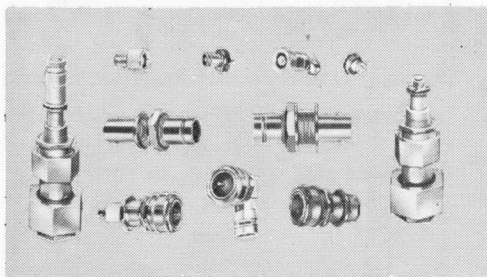
MEETS RIGID MILITARY AND COMMERCIAL SPECS UP TO 400 MHz



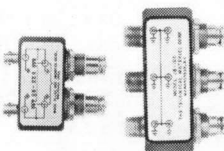
JPP

RF JACK PATCH PANELS

The TMC Models JPP RF Patching Panels are standard 19" rack mountable units equipped with various RF receptacles and/or adapters to suit operational needs. This series is used in permanent or semi-permanent installations where Quick Disconnect features are not required. The panels may include as many as 16 BNC, 11 C, N or UHF or 4 LC or LT connectors. The TMC Models TCA Connector Adapters for cables as large as RG-85/U are available. All panels have identification strips and TMC "RTG" (Rhodium-Teflon-Gold) connector construction is used throughout. A complete line of RF Patching Cables is available.

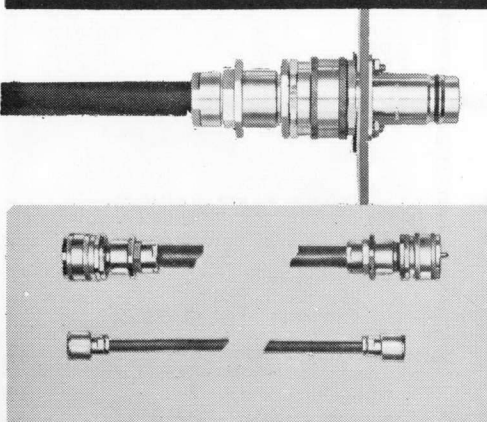


ACCESSORIES AND REPLACEMENTS



Between Series Adapters are a series of inline connectors allowing adaptation of one type of coaxial fitting to another type, thereby eliminating the necessity of costly end cable replacements. By use of these adapters it is possible to make rapid temporary or permanent connections between dissimilar coaxial cables.

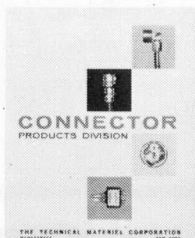
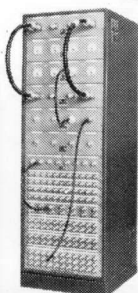
Additional accessories and replacement include a full line of patching switches and bridges used in QDP, SSP, JPP panels. Specific circuitry and combinations are fully described in our catalog.



CA

PATCHING CABLES

Patching cable assemblies are available in various lengths for use in interconnecting panels. They are recommended for use with TMC Models QDP, SPP, BJP and JPP Patch Panels and all other equipment requiring the use of similar cable type TMC RTG connector construction is used throughout. An unlimited variety of patching configurations can be employed. Shown here are some of those now in use. We invite your inquiry.



WRITE FOR
COMPREHENSIVE
CATALOG
•
SEND PRINTS
FOR PROMPT
QUOTATION

SEE SECTION
2300
FOR THE
TMC
CRYSTAL
FILTER
&
OSCILLATOR
ADS

PRODUCTS DIVISION



APPLICATIONS

On the opposite page we have displayed briefly the latest in connector products and accessories for the RF oriented engineer, technician and electronic component purchaser. Fabricated to rigid TMC specifications and utilizing standard "RTG" construction, these products have found universal acceptance by all major communication systems manufacturers and users.

The TMC method of Line Patch and Distribution System is unique, extremely versatile permitting flexibility of design, easy accessibility and maintenance and are being extensively employed throughout the TMC complex. All signal circuits are accurately programmed to place each circuit where it is needed. Patchboards may be used to temporarily insert good equipment into an operation failure circuit, thus isolating trouble or problems. Patching facilities to meet FED STD 222 and DC ENSP 422-5C are available.

Patching cables and panels are to customer specification and requirement. Our Engineering staff is ready to assist you with your needs.

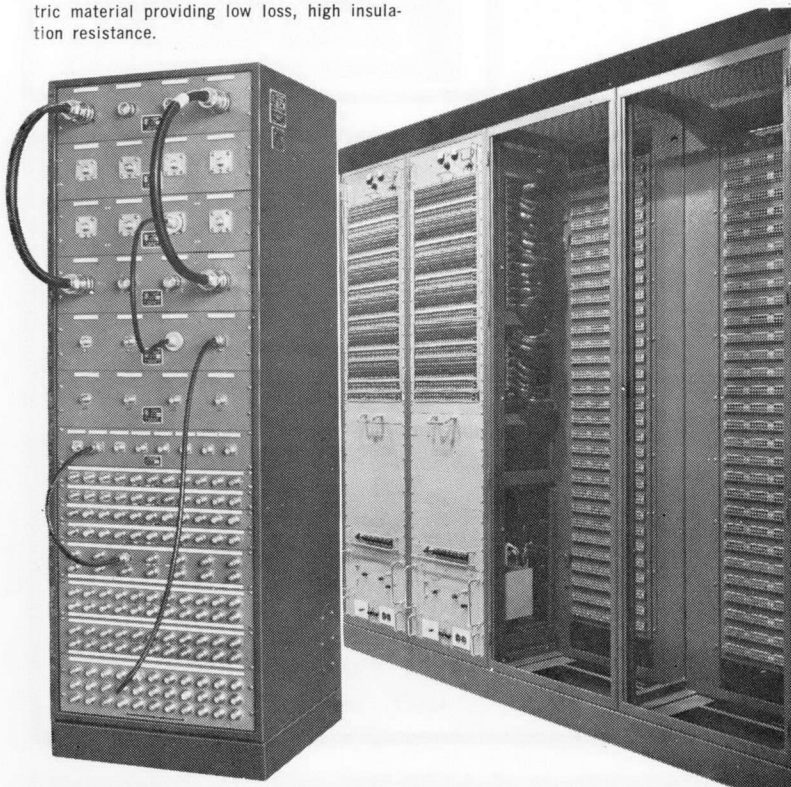
RF POWER distribution cables in a permanent military installation.



RHODIUM FLASH PLATING — Over silver plate on all components, resulting in extreme hardness, low noise frequency caused by oxidation and long lasting attractiveness.

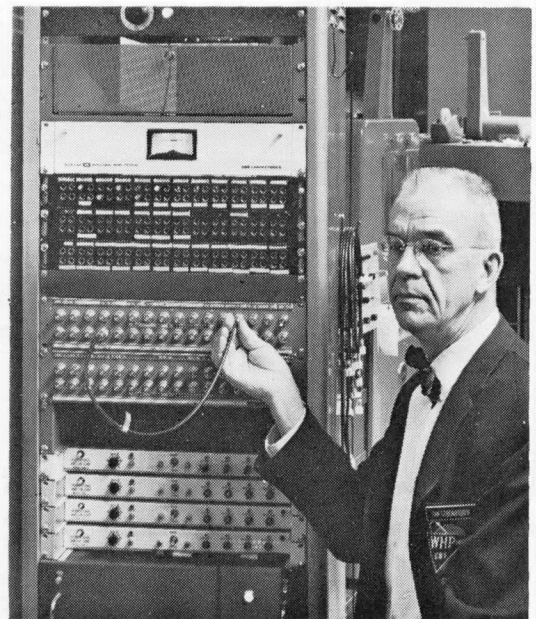
TEFLON INSULATION — Virgin Teflon dielectric material providing low loss, high insulation resistance.

GOLD PLATED CONTACTS — Gold electro-plating on beryllium copper, phosphor bronze, or brass contacts and contacts shielding fingers, providing high conductivity and extremely low contact noise and resistance.



**TMC CONNECTORS
AND PATCH PANELS
ARE HIGHLY SUITABLE
to
TV and BROADCAST
AUDIO and
VIDEO PATCHING**

Full Details are Available from
Avionics/Broadcast Div.
Mamaroneck, N. Y.



WHP at the state capital in Harrisburg, Pennsylvania — one of the key CBS outlets, in redesigning their TV studios, chose the new TMC type QDM, RF coaxial jackfields for their video patching. The double row jack strips feature line and equipment "normal" through facilities that only require patch cords to reroute circuits or temporarily replace defective equipment. This system gives immediate indication when non-normalled circuits are engaged.

TMC's Connector Division products are designed to complement TMC's Avionics/Broadcast Division's wide range of broadcast and communications products. These include TV cameras and projectors, broadcast TV and communications transmitters in use in TMC Systems throughout the world.

Illustrated at left is a special combination showing a wide variety of sizes and combinations.