

VIDEO JACK INFORMATION



We can accommodate all of your video patching needs with our selection of video panels and jacks. Shown below are our most common video panels. If your application requires a different panel layout or configuration, our technicians will work with you to design a panel that fits your application.

Self-Normalling

self-normalling video jack internally routes a signal from one video device to another. Typically, BNC Connectors are used with a rear source (input, Row 1), and a rear destination (Output, Row 2). On the front are standard video patch ports. The internal normal path runs from the rear source to the rear destination. The signal can be rerouted by inserting a patch cord into either front port. Removal of the patch cord returns the signal to the normal path (i.e. “self-normalled”). These video jacks are available so that, in a patched mode, the unused signal is either terminated to a characteristic impedance of 75Ω , or unterminated (open circuit).

Termination:

Due to the broadband high-frequency signals used in serial digital circuits, serious consideration must be given to the proper termination of all unused signals (although there are some monitoring and special test functions that do not require termination).

Proper termination of the high-frequency video signal cancels cable reactive components, improves return loss, minimizes stubbing and antenna effects, and also helps in meeting RFI/EMI criteria. All of the terminated video jacks we supply terminate with a 75Ω characteristic impedance and are digital HD ready.



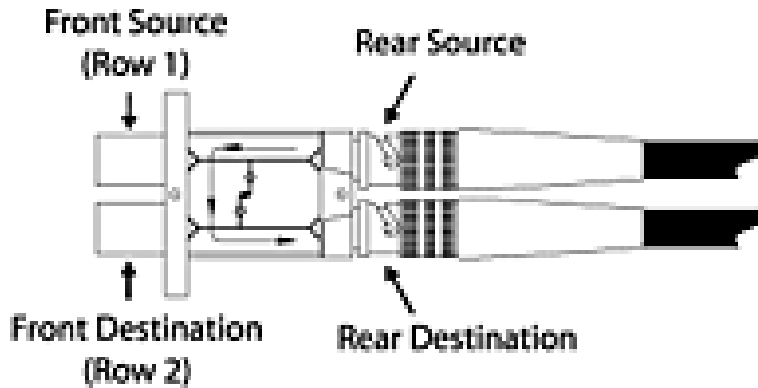
Single Unterminated

These jacks route signals straight through, with no normalizing and no termination.



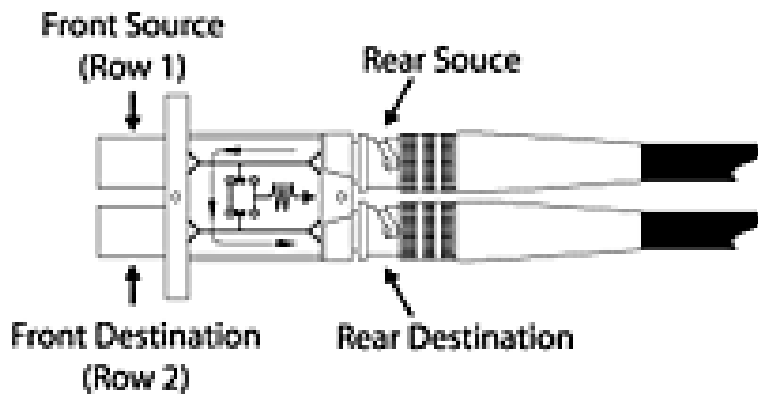
Single Terminated

When patched, these jacks route signals straight through. When unpatched, the rear port's BNC connection is terminated to a 75 ohm load.



Dual Self-Normalled Unterminated

When patched, these jacks route signals straight through with no termination of unused signals. When unpatched, the rear source port is normalled to the rear destination port.



Dual Self-Normalled Terminated*

When patched, these jacks route signals straight through, and any unused signal is terminated to a 75 ohm load. When unpatched, the rear source port is normalled to the rear destination port.

* = Most common.