

XRJAX 6040 75 Ohm Self-Terminating Wallplate

The XRJAX 6040 is a coaxial 75 ohm self-terminating wallplate designed for connections with XRJAX cables with easy to snap-in RJ style male plugs. In addition to provide the easy of use for home owners, the XRJAX 6040 wallplates solve the cable supplier and cable company problems associated with non terminating coax connectors in a home or place of business, which result in substantial signal reflections and RF noise feeding back into their cable systems.

The XRJAX 6040 delivers plug and play simplicity. It reduces radio frequency (RF) noise ingress and signal reflections (VSWR), improving the signal to noise ratio (SNR) and quality of the signal. Higher quality signal delivers higher quality picture for video. Because the XRJAX 6040 is self terminating, this is all done automatically!

The existing problems with standard "F" connectors that screw on can now be plug-in for easy connections for changes and modifications made by users in a home or business. XRJAX male and female connectors benefit users by increasing flexibility and eliminate the difficulty of aligning existing "F" screw connectors to coax threaded nuts.

All signals will reflect energy from cables or transmission lines that are incorrectly or not terminated with the characteristic impedance of the cable. VSWR and signal reflections reduce signal quality and the signal to noise ratio, particularly with the higher frequencies of broadband digital, broadcast video or high resolution computer graphics. The XRJAX self-terminating wall plate correctly terminates the 75 ohm video cable, delivering the highest signal and picture quality.



Product Features

- ✦ XRJAX RJ Plug-in Type Coaxial Connector provides technology for spring design of 6040 female connector
- ✦ XRJAX Male Coax Adapter easily plug into XRJAX 6040 Female connector
- ✦ Preventing ingress RFI, eliminating signal degradation
- ✦ Preventing egress RFI, eliminating undesired emissions
- ✦ Improves the noise ratio (SNR)
- ✦ Higher customer satisfaction due to high quality picture, All of the time = Increased Client Referrals = Increased Profits for cable companies
- ✦ Minimizing reflected voltage, which can be twice the line voltage with no termination
- ✦ XRJAX connections make every insertion as easy as plugging in a telephone core. Precise Alignment of male plug on cable snaps into female connector on the 6040 Wallplate
- ✦ XRJAX manufactured under license for U.S. Patent 6,568,965
- ✦ Faster installation times for cable companies with plug and play connectivity = Cost Reductions = Increased Profits

XRJAX RJ/COAX SPECIFICATIONS

Mechanical

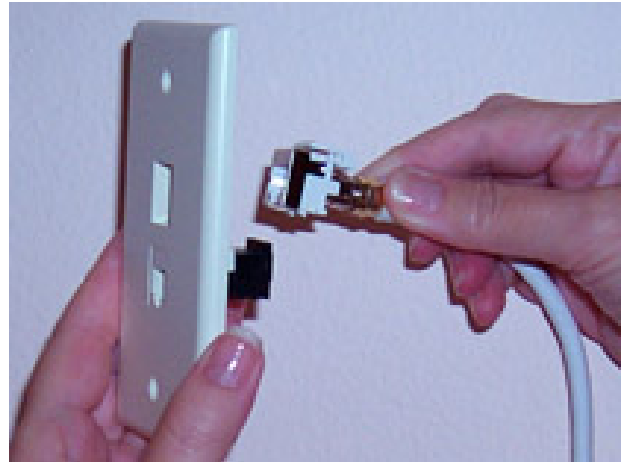
- ✦ **Mating/Unmating Forces** - 4.5 lbs. Max
- ✦ **Operating Temperature** - -40°C to 70°C
- ✦ **Storage Temperature** - -20°C to 85°C

Electrical

- ✦ **Voltage Rating** – AC 150V
- ✦ **Dielectric Withstanding Voltage** - 1000VAC, RMS.60Hz. 1 min.
- ✦ **Insulation Resistance** - 500megohms minimum
- ✦ **Contact Resistance** – 50 milliohms maximum 1A
- ✦ **Impedance** - 75 Ohms
- ✦ **VSWR** - 1.2max. 0-1500 Mhz

Material & Finish

- ✦ **Contact** Coaxial Cable at different specifications
- ✦ **Shield** - 0.25 [.010] copper alloy, tin-lead plated



Modern homes are being pre-wired with video capabilities in all living spaces. This leaves non-terminated jacks in any room where an F-connector wall plate is left unconnected. This is an RJ ingress and signal reflection mine field. RF ingress is getting worse by the day with the increased use of wireless telephones, wireless home cable routers and networks, environmental controls, CB and HAM radio operators, etc., all contributing to less than optimal picture quality.

ORDERING INFORMATION

XRJAX coax Self-Terminating Wallplate

XRJAX-6040
XRJAX Self-Terminating Wallplate



XMULTIPLE USA

543 Country Club Drive #B128 • Simi Valley, CA 93065 USA
(805) 498-5000 • FAX: (805) 522-0108

XMULTIPLE ASIA

4F, No.347, Guang St., Neihu Chiu, Taipei 11475, Taiwan
886-2-2658-2298 Fax: 886-2-2627-8659

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