

## Specifications

**Protocol** — 5250

**Data Rate** — 1 Mbps (transparent)

**Bandwidth** — 0.5 to 5 Mbps

**Distance** — Up to 3000 ft. (914.4 m); Common mode rejection ratio to 100 MHz

**Minimum** — -31.7 dB

**Return Loss** — -31.7 @ 1 MHz

**Characteristic Impedance** — 100 ohms nominal @ 1 MHz

**Termination Impedance** — 110 ohms nominal

**Transformer Isolation** — 2000 volts

**Active Data Pins** — 4 and 5

**Size** — 0.9"H x 0.75"W x 3"D (2.3 x 1.9 x 7.6 cm)

**Compliance** — FCC Part 15, Subpart B, Class A

**Cable Recommendations** — 24-AWG Black Box® CAT5 Solid-Conductor Cable (part number EYN737-MS), AT&T® Systimax PDS LAN 1061, or equivalent

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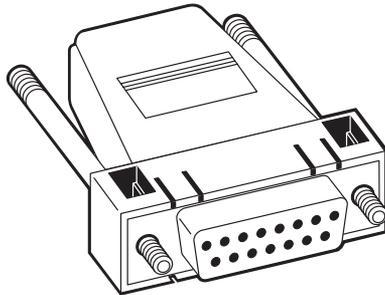
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## Self-Terminating Twinax Balun



The Self-Terminating Twinax Balun permits transmission of AS/400<sup>®</sup> or System/3x signals over UTP (unshielded twisted pair) wiring, eliminating the need for costly proprietary cabling systems.

The Balun cleans up unwanted noises in the wiring environment that typically cause problems such as device drop-offs and reverting to the sign-on screen. Advanced filtering and excellent common mode rejection protect data against line noise. True unipolar-to-balanced signal conversion and exact impedance matching minimize ground noise and reflection problems.

The Balun eliminates “T” and “Y” cable assemblies, ensuring a quality UTP connection and device termination. The Balun attaches directly to the rear of the IBM<sup>®</sup> device, eliminating the nuisance and problems caused by dangling “T” and “Y” cable assemblies.

For optimum network performance, use data-grade cable. We recommend that you maintain consistent electrical characteristics throughout your facility’s wiring, including all patch and line cords. Operational distances depend on the cable characteristics, system configuration, and electronics.

Specifications for the Self-Terminating Twinax Balun are on the back of this page.