

ASF Twinax and DB15 Self-Terminating Baluns for IBM System/3x and AS/400 Environments



- Eliminates costly and problematic "Y" cable assemblies
- Works in environments where others typically fail
- Advanced filtering provides line noise immunity
- Exact impedance matching minimizes reflection problems
- Center tap design reduces ground noise
- FCC compliant



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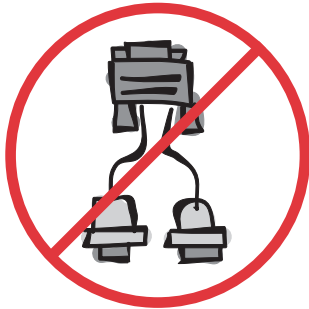
PRODUCT DESCRIPTION

Decision Data's twinax baluns permit transmission of AS/400 System/3x signals over UTP (unshielded twisted pair) wiring, eliminating the need for costly proprietary cabling systems.

Decision Data's ASF series filtered twinaxial adapters clean-up unwanted noise 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.

Decision Data's DB15 self-terminating baluns eliminate "T" and "Y" cable assemblies, ensuring a quality UTP connection and device termination. These self-terminating twinax baluns attach directly to the rear of the IBM device, eliminating the nuisance and problems caused by dangling "T" and "Y" cable assemblies. This direct attachment to the device provides a superior mechanical and electrical connection.

Optimum network performance is achieved with data grade cable. It is recommended that consistent electrical characteristics be maintained throughout the facility wiring, including all patch and line cords. Operational distances depend on cable characteristics, system configuration and electronics.



**ELIMINATES DB15/TWINAX
"Y" CABLE**



**ELIMINATES DB15/TWINAX
"T" CABLE**

Specifications

Protocol:	5250
Data rate:	1Mbps (transparent)
Bandwidth:	0.5 - 5Mbps
Distance:	up to 3,000 ft Common mode rejection ratio to 100 Mhz
Minimum:	-31.7dB
Return loss:	-31.7@ 1 Mhz
Characteristic impedance:	100 ohms nominal @ 1Mhz
Termination impedance:	110 ohms nominal
Transformer isolation:	2000 volts
Active data pins:	4 and 5
Dimensions:	3.0" x 0.75 x 0.9"

FCC Compliance: Part 15, Subpart B, Class A

Cable recommendations

24AWG AT&T Systimax PDS LAN 1061 or equivalent

Capacitance:	17.5 pF/ft. or less
DC resistance:	25.7 ohms/1000 ft.
Characteristic impedance:	100 ohms @ 1Mhz
Attenuation:	6.8dB/1000 ft. @ 1Mhz

Ordering Information

Part No.	Description
301-2314-01	RJ-11/Male Twinax
301-2315-01	RJ-45/Male Twinax
301-2317-01	RJ-45/Female DB15
301-2318-01	RJ11/Male DB15
301-2319-01	RJ-45/Male DB15

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