

X.21-to-EIA-449(RS-449) Interface Converter Cable : Type-1

Type-1 cable is for use with clocks supplied by the FarSync card (internal clocking mode). The DCE must be configured for external clocking.

Connections

EIA-449 Signal	DB37 Pin	DB15 Skt	X.21 Signal	Signal Pair
Send Data (A)	4	2	TXa	Pair
Send Data (B)	22	9	TXb	
Send & Receive Timing (A)	5 and 8	6	Sa	Pair
Send & Receive Timing (B)	23 and 26	13	Sb	
Receive Data (A)	6	4	RXa	Pair
Receive Data (B)	24	11	RXb	
Clear To Send (A)	9	5	Ia	Pair
Clear To Send (B)	27	12	Ib	
Request To Send (A)	7	3	Ca	Pair
Request To Send (B)	25	10	Cb	
GND	19	8	GND	
SHIELD	1	1	SHIELD	

Construction

Cable containing five twisted pairs with a nominal 100-120 ohms Zo (characteristic impedance) connecting a DB15 socket to a DB37 plug.

The additional GND connection is optional and would require an additional conductor.

The SHIELD connection should be included, requiring the use of shielded cable.

X.21-to-EIA-449(RS-449) Interface Converter Cable : Type-2

Type-2 cable is suitable for use with clocks received by the FarSync card (external clocking mode) if the DCE supplies TX and RX clocks (Send Timing and Receive Timing) with identical baud rate and phase. The DCE must be configured for internal clocking.

Connections

EIA-449 Signal	DB37 Pin	DB15 Skt	X.21 Signal	Signal Pair
Send Data (A)	4	2	TXa	Pair
Send Data (B)	22	9	TXb	
Send Timing (A)	5	6	Sa	Pair
Send Timing (B)	23	13	Sb	
Receive Data (A)	6	4	RXa	Pair
Receive Data (B)	24	11	RXb	
Clear To Send (A)	9	5	Ia	Pair
Clear To Send (B)	27	12	Ib	
Request To Send (A)	7	3	Ca	Pair
Request To Send (B)	25	10	Cb	
GND	19	8	GND	
SHIELD	1	1	SHIELD	

Construction

Cable containing five twisted pairs with a nominal 100-120 ohms Z_0 (characteristic impedance) connecting a DB15 socket to a DB37 plug.

The additional GND connection is optional and would require an additional conductor.

The SHIELD connection should be included, requiring the use of shielded cable.