X21-449-EXT Interface Converter Cable – Product Code FS6094

The X21-449-EXT 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 DB37M presents a DTE configured interface for direct attachment to a DCE.

Connections

EIA-449 Signal Name	EIA-449 Symbol	DB37M (Plug)	DB15F (Socket)	X.21 Symbol	Signal Pair
Send Data (A)	SD-	4	2	Ta	Pair
Send Data (B)	SD+	22	9	Tb	
Send Timing (A)	ST-	5	6	Sa	Pair
Send Timing (B)	ST+	23	13	Sb	
Receive Data (A)	RD-	6	4	Ra	Pair
Receive Data (B)	RD+	24	11	Rb	
Clear To Send (A)	CS-	9	5	Ia	Pair
Clear To Send (B)	CS+	27	12	Ib	
Request To Send (A)	RS-	7	3	Ca	Pair
Request To Send (B)	RS+	25	10	Cb	
GND	SG	19	8	GND	
SHIELD	SHIELD	1	1	SHIELD	

Construction

Cable containing five twisted pairs with a nominal 100-120 ohms Zo (characteristic impedance) connecting a DB15F (socket) to a DB37M (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.