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# Technical Bulletin

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## Metrodata X.21 Port Crossover Cable

TB No 15	<b>TB 15</b>	Metrodata X.21 Port Crossover cable
No of pages	2	For use by Service Engineers only.
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### USAGE!

This Bulletin is for the assistance of qualified Service Engineers, and the work described should not be attempted by End Users of the products.

### WARNING !

The DSU's contains static sensitive devices. Work should be carried out at a properly equipped anti-static station by personnel wearing anti-static straps.

### INTRODUCTION

This Bulletin describes the connection layout for X.21 Crossover cables. It's purpose is to enable the connection of two DTE's via the X.21 port. This cable can currently be used with Metrodata models DC1000 and DC3000 with the FM4000 due later.

### ITEMS REQUIRED

2 off 15 way D type **MALE** connector such as made by Thomas & Betts.  
1 Soldering Iron  
Standard Wire

**Note:** The X.21 port is regarded as a SELV port within the scope of EN 41003.



## MALE PLUG CONNECTIONS FOR Data & Timing

Pin No	Function	Connected	Pin No	Function
2	Transmit (A)		4	Receive (A)
3	Control (A)		5	Indication (A)
4	Receive (A)		2	Transmit (A)
5	Indication (A)		3	Control (A)
6	Signal timing (A)		7	Terminal timing (A)
7	Terminal timing (A)		6	Signal timing (A)
8	Ground		8	Ground
9	Transmit (B)		11	Receive (B)
10	Control (B)		12	Indication (B)
11	Receive (B)		9	Transmit (B)
12	Indication (B)		10	Control (B)
13	Signal timing (B)		14	Terminal timing (B)
14	Terminal timing (B)		13	Signal timing (B)

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