

GCR1-DTE R00 (EIA-530 / V.24 Adapter) Cable – Product Code FS6006**For use with the FarLinX Mini Gateway**

The label on the cable must read: **GCR1-DTE R00**

The cable assembly shall be constructed with both ends of the cable terminated with a 25-Way D-Sub plug. The cable should contain shields of both foil and braid, the connector plug must also be shielded.

The GCR1 cable is used to present a DTE configured interface to the FarLinX Mini Gateway for standard EIA-530 and RS232C connections.

The overall length of the cable assembly (DB25 to DB25) shall be 1.5 metres +/- 0.05m.

This cable can be used in both EIA-530 (RS422 signals) and V.24 (RS232C) interface modes.

Twisted pairs must be maintained in all cables for signal integrity.

The connections required are defined in the table below:

Interface Signal Name	DB25 Pin connector - male	DB25 Pin connector - male	Wire Pair	EIA-530 (RS422 Signal levels)	Signals used in V.24 (RS232C)	Common alternate names for the signals*
SHIELD	1	1		SHIELD	Chassis Ground	Chassis Ground
TxDa	2	3	Pair	RD (A)	RxD	RxD+
TxDb	14	16		RD (B)		RxD-
RxDa	3	2	Pair	SD (A)	TxD	TxD+
RxDb	16	14		SD (B)		TxD-
TxCa	15	15	Pair	ST (A)	TxCLK	TxC+
TxCb	12	12		ST (B)		TxC-
RxCa	17	24	Pair	TT (A)	Ext CLK	TxCE+
RxCb	9	11		TT (B)		TxCE-
TTa	24	17	Pair	RT (A)	RxCLK	RxC+
TTb	11	9		RT (B)		RxC-
CTSa	5	4	Pair	RTS (A)	RTS	RTS+
CTSb	13	19		RTS (B)		RTS-
RTSa	4	5	Pair	CTS (A)	CTS	CTS+
RTSb	19	13		CTS (B)		CTS-
DTRa	20	8	Pair	DCD(A)	DCD	DCD+
DTRb	23	10		DCD(B)		DCD-
DCDa	8	20	Pair	DTR(A)	DTR	DTR+
DCDb	10	23		DTR(B)		DTR-
GND	7	7		GND	GND	GND

* Note: The common alternate names for balanced signals shows signals labelled with names ending in + and -. The network standards have been interpreted by some manufactures as A meaning – and B meaning + and by some others as A meaning + and B meaning -, a cause for confusion! The common alternate names we show in

FarSite Communications Cable Connection Pinouts

the common alternate name column is the labelling used by many major manufacturers including Cisco. Please check with the supplier of your other equipment if you are in doubt over which labelling scheme they are using.