GCR1-DCE R00 (EIA-530 / V.24 Adapter) Cable – Product Code FS6001

For use with the FarLinX Mini Gateway

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

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

The GCR1-DCE cable is used to present a DCE 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 - female	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	2	Pair	SD (A)	TxD	TxD+
TxDb	14	14		SD (B)		TxD-
RxDa	3	3	Pair	RD (A)	RxD	RxD+
RxDb	16	16		RD (B)		RxD-
RTSa	4	4	Pair	CTS (A)	CTS	CTS+
RTSb	19	19		CTS (B)		CTS-
CTSa	5	5	Pair	RTS (A)	RTS	RTS+
CTSb	13	13		RTS (B)		RTS-
DSRa	6	6	Pair	DSR(A)	DSR	DSR+
DSRb	22	22		DSR(B)		DSR-
GND	7	7		GND	GND	GND
DCDa	8	8	Pair	DCD(A)	DCD	DCD+
DCDb	10	10		DCD(B)		DCD-
TxCa	15	15	Pair	ST (A)	TxCLK	TxC+
TxCb	12	12		ST (B)		TxC-
RxCa	17	17	Pair	RT (A)	RxCLK	RxC+
RxCb	9	9		RT (B)		RxC-
LL	18	18		LL	LL	LL
DTRa	20	20	Pair	DTR(A)	DTR	DTR+
DTRb	23	23		DTR(B)		DTR-
RL	21	21		RL	RL	RL

TTa	24	24	Pair	TT (A)	Ext CLK	TxCE+
TTb	11	11		TT (B)		TxCE-
TM	25	25		TM	TM	TM

* 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 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.