

UX35C R01 – V.35 Cable for internal clock generation*

For compatibility with the different FarSite adapter models check the [FarSite Network Connection Cables - Compatibility Matrix](#)

The label on the cable must read: **UX35C R01**

The cable assembly shall be constructed with one end of a cable terminated in a high density ('density-and-a-half') 26-Way HD-Type plug and the other end terminated in a MRAC-34 female socket (ISO 2593) connector (with socket contacts). The Cable should contain shields of both foil and braid, the connector plug must also be shielded.

The overall length of the cable assembly (HD26 to MRAC-34) shall be 1.5 metres +/- 0.05m.

Twisted pairs must be maintained where indicated in the connection table for signal integrity.

The connections required are defined in the table below:

Interface Signal Name	HD 26-Way Pin Contact - <u>male</u>	MRAC-34 Socket Contact - <u>female</u>	Twisted Pairs
TXDa	2	R	PAIR
TXDb	11	T	
Clka	3	Y and link to V within connector	PAIR
Clkb	12	AA and link to X within connector	
RXDa	4	P	PAIR
RXDb	13	S	
GND	9	B	
SHIELD	1	A	
/CABLE_IN	Link HD26 Pin 10 to Pin 18		
RTS & CTS (MRAC-34 end)		Link C and D within connector	
DTR & DCD & DSR (MRAC-34 end)		Link E, F and H within connector	
RTSa & CTSa (HD26 end)	Link HD26 Pin 5 to Pin 6		
RTSb & CTSb (HD26 end)	Link HD26 Pin 14 to Pin 15		

* Notes on use of this cable

- This cable is only suitable for use when generating clocks – not for use with receiving a clock from the line.
- Note that in order to generate clocks, this cable must be used with the port configured for V.11 / X.21 (not V.35), though the connector is V.35 signal compatible.
- If software does not specifically have a setting for cable type UX35C then select cable type X.21 / V.11 in the software configuration and also select “internal clock” generation.
- Control signals are locally resolved on both sides with this cable so the line signal status will always show as physically “active”