

5-in-1 V.35 Assembly and Pinouts

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Related Information

Introduction

This document explains the V.35 serial cable assembly and pinouts.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

V.35 Speed and Distance Limitations

The table here lists the different V.35 speed and distance limitations:



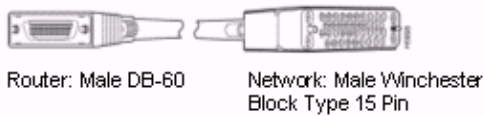
Caution: The EIA,TIA-449 and V.35 interfaces support data rates up to 2.048 Mbps. Cisco advises not to exceed this maximum as it could result in loss of data.

Data Rate (Baud)	Distance (Feet)	Distance (Meters)
2400	4,100	1,250

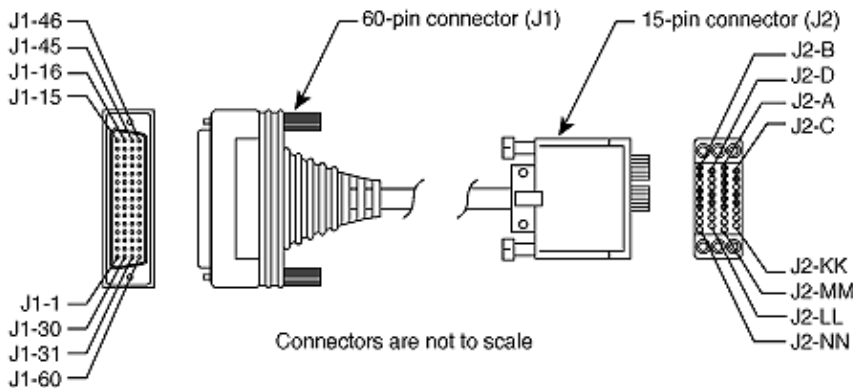
4800	2,050	625
9600	1,025	312
19200	513	156
38400	256	78
56000	102	31
T1	50	15

CAB-V35MT Serial Cable Assembly

The cable gender for this product (part number 72-0791-01) is male DB-60 to male Winchester 15 Pin, mode - DTE.



The CAB-V35MT serial cable is used in the Cisco 7000 family, Cisco 4000 series, Cisco 3600 series, Cisco 2500 series, Cisco 1600 series, Cisco access servers, and AccessPro PC cards. This cable has a male DB-60 connector on the Cisco end and a male Winchester connector on the network end.



V.35 DTE Cable Pinouts (DB-60 to 34-Pin)

The table here shows the V.35 DTE cable pinouts (DB-60 to 34-Pin).

Note: The arrows indicate signal direction:

- ----> indicates DTE to DCE
- <---- indicates DCE to DTE

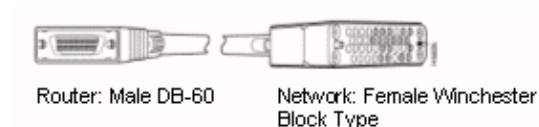
60 Pin ¹	Signal	Description	Direction	34 Pin	Signal
J1-49					
J1-48	MODE_1	Shorting			
J1-50	MODE_0	Group Shorting Group	---	---	---

J1-51	GND				
J1-52	MODE_DCE				
J1-53					
J1-54					
J1-55	TxC/NIL				
J1-56	RxC_TxCE	Shorting			
J1-46	RxD/TxD Shield_GND	Group Single		J2-A	Frame_GND
J1-45	GND Circuit_GND	Twisted	--	J2-B	Circuit_GND
J1-42	--	pair no. 12	--	Shield	--
Shield	RTS/CTS	Twisted	-->	J2-C	RTS
J1-35	--	pair no. 9	--	Shield	--
Shield	CTS/RTS	Twisted	<--	J2-D	CTS
J1-34	--	pair no. 8	--	Shield	--
Shield	DSR/DTR	Twisted	<--	J2-E	DSR
J1-33	--	pair no. 7	--	Shield	--
Shield	DCD/LL	Twisted	<--	J2-F	RLSD
J1-43	--	pair no.6	--	Shield	--
Shield	DTR/DSR	Twisted	-->	J2-H	DTR
J1-44	--	pair no. 10	--	Shield	--
Shield	LL/DCD	Twisted	-->	J2-K	LT
J1-18	--	pair no. 11	--	Shield	--
J1-17	TxD/RxD+	Twisted	-->	J2-P	SD+
J1-28	TxD/RxD--	pair no. 1	-->	J2-S	SD--
J1-27	RxD/TxD+	Twisted	<--	J2-R	RD+
J1-20	RxD/TxD--	pair no. 5	<--	J2-T	RD--
J1-19	TxCE/TxC+	Twisted	-->	J2-U	SCTE+
J1-26	TxCE/TxC--	pair no. 2	-->	J2-W	SCTE--
J1-25	RxC/TxCE+	Twisted	<--	J2-V	SCR+
J1-24	RxC/TxCE--	pair no. 4	<--	J2-X	SCR--
J1-23	TxC/RxC+	Twisted	<--	J2-Y	SCT+
	TxC/RxC--	pair no. 3	<--	J2-AA	SCT--

¹Any pin not referenced is not connected.

CAB-V35FC Serial Cable Assembly

The cable gender for this product (part number 72-0792-01) is male DB-60 to female Winchester Block Type, mode – DCE.



The CAB-V35FC serial cable is used in the Cisco 7000 family, Cisco 4000 series, Cisco 3600 series, Cisco 2500 series, Cisco 1600 series, Cisco access servers, and AccessPro PC cards. This cable has a male DB-60 connector on the Cisco end and a female Winchester connector on the network end.

V.35 DCE Cable Pinouts (DB-60 to 34-Pin)

The table here shows the V.35 DCE cable pinouts (DB-60 to 34-Pin).

Note: The arrows indicate signal direction:

- ---> indicates DTE to DCE
- <--- indicates DCE to DTE

60 Pin ¹	Signal	Description	Direction	34 Pin	Signal
J1-49					
J1-48	MODE_1	Shorting			
J1-50	GND	Group			
J1-51	MODE_0	Shorting			
J1-53	GND	Group			
J1-54					
J1-55	TxC/NIL				
J1-56	RxC_TxCE	Shorting			
J1-46	RxD/TxD	Group		J2-A	Frame GND
J1-45	Shield_GND	Single			
J1-45	GND			J2-B	Circuit_GND
Shield	Circuit_GND	Twisted	--		
J1-35	--	pair no. 12	--	Shield	--
Shield	CTS/RTS	Twisted	<---	J2-C	RTS
J1-42	RTS/CTS	pair no. 8 Twisted pair no. 9	-->	Shield	CTS

Shield	---		---	Shield	---
J1-43					
Shield	DTR/DSR	Twisted	-->	J2-E	DSR
J1-44	---	pair no. 10	---	Shield	---
Shield	LL/DCD	Twisted	-->	J2-F	RLSD
J1-34	---	pair no. 11	---	Shield	---
Shield	DSR/DTR	Twisted	<---	J2-H	DTR
J1-33	---	pair no. 7	---	Shield	---
Shield	DCD/LL	Twisted	<---	J2-K	LT
J1-28	---	pair no. 6	---	Shield	---
J1-27	RxD/TxD+	Twisted	<---	J2-P	SD+
J1-18	RxD/TxD--	pair no. 5	<---	J2-S	SD--
J1-17	TxD/RxD+	Twisted	-->	J2-R	RD+
J1-26	TxD/RxD--	pair no. 1	-->	J2-T	RD--
J1-25	RxC/TxCe+	Twisted	<---	J2-U	SCTE+
J1-22	RxC/TxCe--	pair no. 4	<---	J2-W	SCTE--
J1-21	NIL/RxC+	Twisted	-->	J2-V	SCR+
J1-20	NIL/RxC--	pair no. 3	-->	J2-X	SCR--
J1-19	TxCe/TxC+	Twisted	-->	J2-Y	SCT+
	TxCe/TxC--	pair no. 2	-->	J2-AA	SCT--

¹Any pin that is not referenced is not connected.

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