Products & Services
CAB-OCTAL-ASYNC Cable Pinouts

Document ID: 14958

Introduction

This document provides detailed cabling information on CAB-OCTAL-ASYNC cables.

Before You Begin

Conventions

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

Prerequisites

There are no specific prerequisites for this document.

Components Used

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

The information presented in this document was created from devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If you are working in a live network, ensure that you understand the potential impact of any command before using it.

CAB-OCTAL-ASYNC Cable Pinouts

CAB-OCTAL-ASYNC cables use a 68-pin connector and breakout cable and provide eight RJ-45 rolled cable asynchronous ports on each 68-pin connector. You can connect each RJ-45 rolled cable asynchronous port to the console or Aux port of a device. The NM-16A or NM-32A high-density asynchronous network modules available for the 2600 and 3600 Series Routers can use this cable. For more information on cabling, refer to Serial Cable Guide and Cabling Guide for RJ-45 Console and AUX Ports.

Note: The asynchronous ports from the 68-pin connector are data terminal equipment (DTE) devices. DTE to DTE devices require a rolled (null modem) cable. DTE to data circuit-terminating equipment (DCE) devices require a straight-through cable. Since the CAB-OCTAL-ASYNC cable is itself rolled, you can connect each cable directly to the console ports of devices with RJ-45 interfaces. However, if the console port of the device to which you are connecting is a 25-pin interface (DCE), use the RJ-45 to 25-pin adapter (product number CAB-5MODCM=) marked

"Modem" (to reverse the "roll") to complete the connection. Remember, if you need to increase the reach of the CAB-OCTAL-ASYNC cable, use a straight-through RJ-45 cable for the extension.

Port types for console and auxiliary ports on Cisco routers and switches are:

Interface Type	DB25 Interface	RJ-45 Interface
Console	DCE	DTE
AUX	DTE	DTE

Cable Pinout
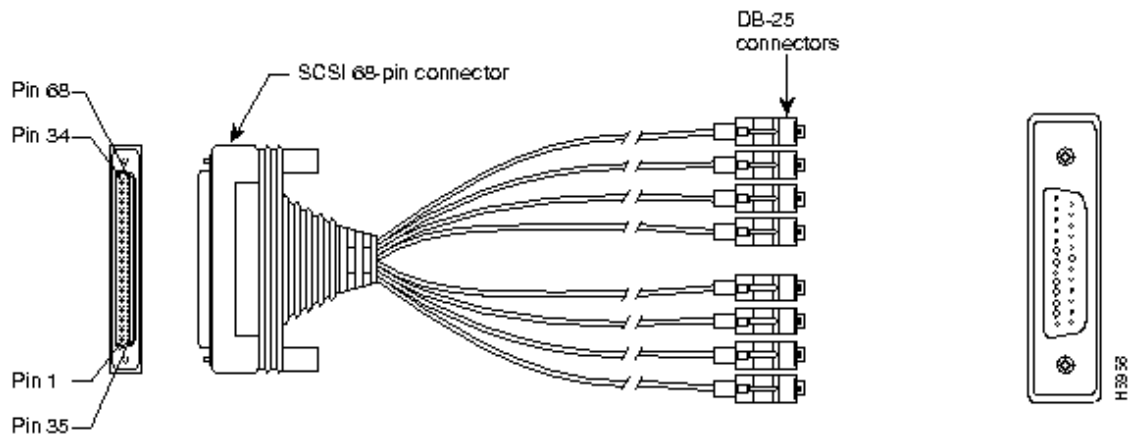
RJ45 Plug #	Pin #	Signal Name	J1 Pin #
1	8	RTS	2
	7	DTR	36
	6	TXC	3
	5	TXC GND	37
	4	RXC GND	4
	3	RXC	38
	2	DSR	5
	1	CTS	39
2	8	RTS	6
	7	DTR	40
	6	TXC	7
	5	TXC GND	41
	4	RXC GND	8
	3	RXC	42
	2	DSR	9
	1	CTS	43
	8	RTS	10
	7	DTR	44

3	6	TXC	11
	5	TXC GND	45
	4	RXC GND	12
	3	RXC	46
	2	DSR	13
	1	CTS	47
4	8	RTS	14
	7	DTR	48
	6	TXC	15
	5	TXC GND	49
	4	RXC GND	16
	3	RXC	50
	2	DSR	17
	1	CTS	51
5	8	RTS	18
	7	DTR	52
	6	TXC	19
	5	TXC GND	53
	4	RXC GND	20
	3	RXC	54
	2	DSR	21
	1	CTS	55
6	8	RTS	22
	7	DTR	56
	6	TXC	23
	5	TXC GND	57
	4	RXC GND	24
	3	RXC	58
	2	DSR	25
	1	CTS	59
7	8	RTS	26
	7	DTR	60
	6	TXC	27
	5	TXC GND	61
	4	RXC GND	28
	3	RXC	62
	2	DSR	29
	1	CTS	63
	8	RTS	30

8	7	DTR	64
	6	TXC	31
	5	TXC GND	65
	4	RXC GND	32
	3	RXC	66
	2	DSR	33
	1	CTS	67

This cable has a male DB-68 (SCSI II) connector on the Cisco end, and eight RJ-45 connectors on the network end that can connect into eight DB-25 modular adapters if the end device has a 25-pin port.
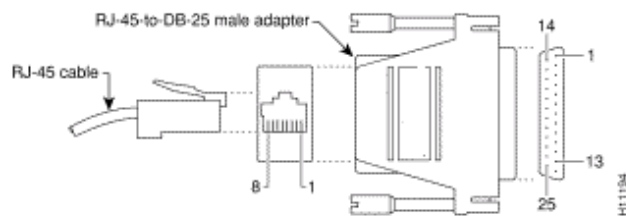
Related Information

- **Modem-Router Connection Guide**
- **Configuring a Terminal/Comm Server for Router Console Access**
- **Configuring a Comm/Terminal Server for Sun Console Access**
- **Establishing a Reverse Telnet Session to a Modem**
- **Configuring Terminal Lines and Modem Support**
- **Terminal Line and Modem Support Commands**
- **Cabling Guide for RJ-45 Console and AUX Ports**
- **Serial Cable Guide**
- **Technical Support - Cisco Systems**

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