

# TelePresence EX/MX Console Cable Creation with a CA-42 USB Data Cable



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## Introduction

This document describes how to create a Cisco TelePresence EX90 console cable with a Nokia CA-42 USB data cable. There might be situations where consoling into an EX90 can solve an issue that is not related to hardware. A console cable for the EX90 is not provided by default, but one can be assembled or purchased.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

The information in this document is based on these software and hardware versions:

- Nokia CA-42 USB data cable or compatible cable

*Note:* If you do not use the Original Equipment Manufacturer (OEM) cable, ensure that the cable you use contains the PL2303 chip.

- RJ-45 crimp tool
- RJ-45 end
- Soldering iron (optional)
- Solder (optional)
- Wire strippers (optional)

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.

## Related Products

This document can also be used with these Cisco TelePresence models:

- EX90
- EX60
- E20
- MX200
- MX300

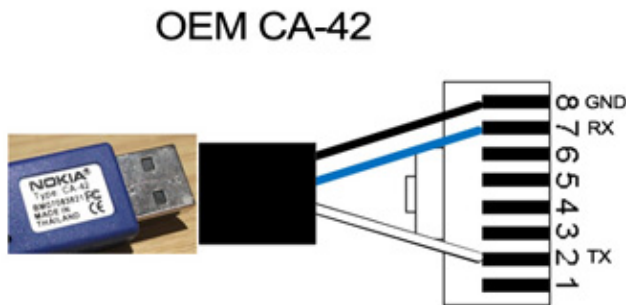
## EX90 Console Cable Creation

This section describes how to create an EX90 console cable with a CA-42 USB data cable.

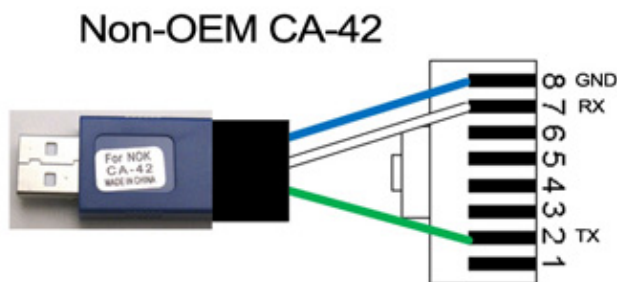
### Verify the Cable Pinouts

Before you create the cable, locate the *TX*, *RX* and *GRD*.

Here is the pinout for the Nokia OEM cable:



Here is the pinout for the compatible non-OEM cable used in this example:

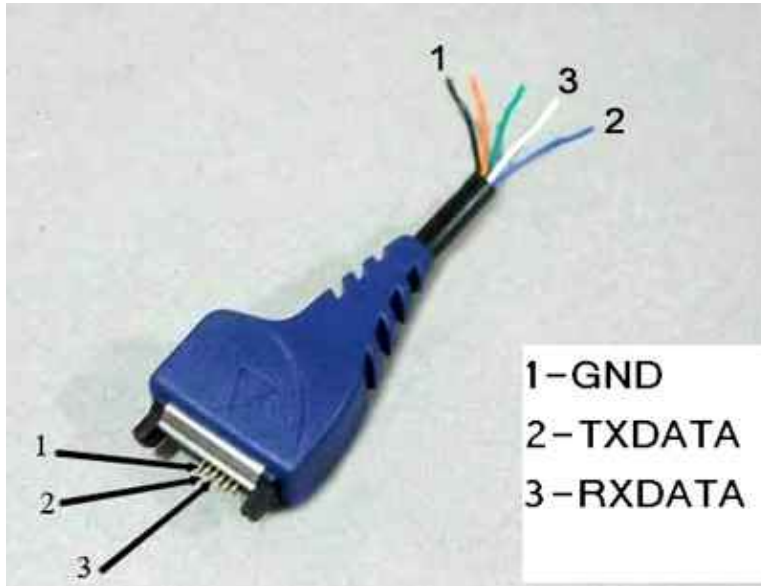


**Note:** Compatible cables might not have wires that are the same colors as those pictured in this document.

### Prep the Cable

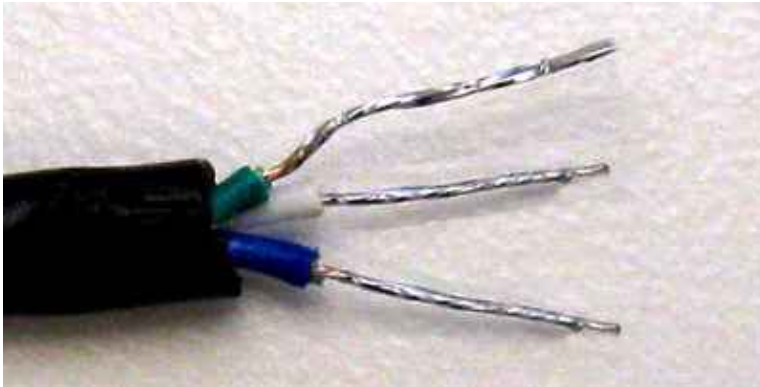
If you are not sure of the pinouts of the cable that you use, cut the connector off, but leave a couple of inches of cable.

1. Use a multimeter in order to locate the *TX*, *RX*, and *GND*.



2. Strip the sheathing from the *TX*, *RX*, and *GND*.

*Tip:* It is a good idea to solder the ends of the wires in order to make it easier to work with them.



## Create the Cable

Crimp the RJ-45 on the USB end of the cable. Ensure that the *TX*, *RX*, and *GND* are in the correct positions before you crimp.



## Install the Cable Drivers

### OEM Cable Drivers

Download the drivers for the CA-42 OEM cable from the Prolific website. Use guest/guest for the username/password. Click the link for *PL2303 USB to Serial Drivers*.

- For Microsoft (MS) Windows, locate this file: *PL2303\_Prolific\_DriverInstaller\_v1.7.0.zip*. This file contains all of the MS Windows drivers.
- For the Macintosh, locate the appropriate driver based on your operating system (OS) level.

### Compatible Cable Drivers

- For MS Windows, use the *Serial PS2303* driver from [usbserialdrivers.com](http://usbserialdrivers.com).
- For the Macintosh, download drivers for:
  - ◆ OS X 10.5 and earlier from [usbserialdrivers.com](http://usbserialdrivers.com)
  - ◆ OS X 10.6 from [osx-pl2303.sourceforge.net](http://osx-pl2303.sourceforge.net)
  - ◆ OS X 10.7 from [noelflash.com](http://noelflash.com)