

# Template:Webui services rs232 cables

There are two types of RS232 serial devices: **DTE** and **DCE**. DTE typically refers to the serial port on a PC or terminal, while DCE refers to communication devices. Connectors mounted on DTE are likely to be male, and those mounted on DCE are likely to be female.

This device is DCE and has a female connector.

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To connect a standard DTE device, use a straight-through Female/Male RS232 cable:



See straight cable pinout below:



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To connect another DCE device to RUT955, a Null-modem (crossed) Male/Male cable should be used:



See straight crossed cable pinout below:



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Maximum cable length is 15 meters or the cable length equal to a capacitance of 2500 pF (for a 19200 baud rate). Using lower capacitance cables can increase the distance. Reducing communication speed can also increase maximum cable length.