

## **Connecting cables for the RS232C communication**

Usually the RS-232C communication is available in all the CNC including the oldest ones.

The usual connection is point to point by a direct cable from the PC to the CNC. If the PC has several ports (connectors) RS232C, it is possible to use one for each machine (CNC).

It is also possible to use a manual switch in order to connect several CNC to a single PC.



### **(A) connection on the CNC (machine) side::**

Normally the CNC machine has a connector on an accessible location of the machine (its location depends on the manufacturer of the machine) to be named Serial Port RS232C.

The connector on the CNC machine is usually a 25 pins CANON female connector.

If you cannot locate the connector, consult with the manual on the machine, or with the manufacturer himself.

### **(B) on the side of Personal computer (PC):**

Your Personal computer (PC) will be able to connect with the CNC through one or more connectors to be called COM1(Serial Port 1), COM2 (Serial Port 2). Etc.

In the case of having several connectors of this type, you can use any of them, provided they are not used for another purpose (mouse etc. ). These connectors are normally found in the back of your PC.

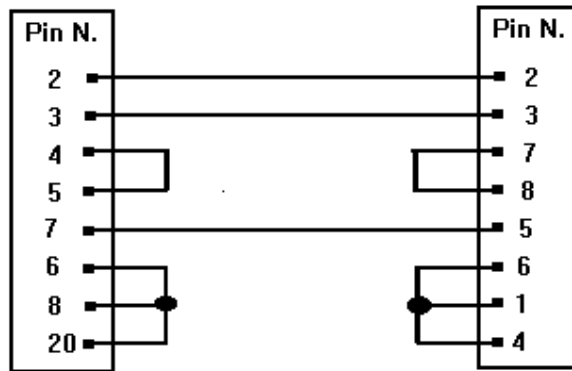
The cable connection in the case to have a 25 pin CANON connector of on the machine (CNC) and a connector CANON of 9 pin in the PC:

**CNC side**

Connector **DB-25** (25 pin male)

**PC side**

Connector **DB-9** (9 pin female)



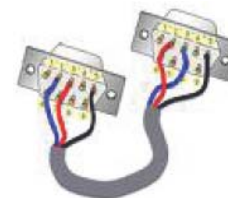
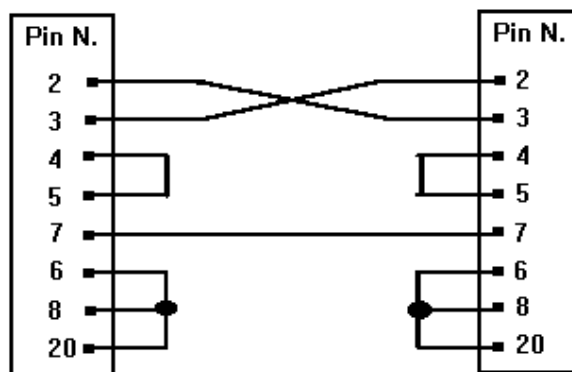
The cable connection in the case to have a 25 pin CANON connector on the machine (CNC) side and a 25 pin CANON connector in the PC side:

**CNC side**

Connector **DB-25** (25 pin male)

**PC side**

Connector **DB-25** (25 pin female)



**Note:**

Use preferably a shielded cable and length of not more than 20 Meters