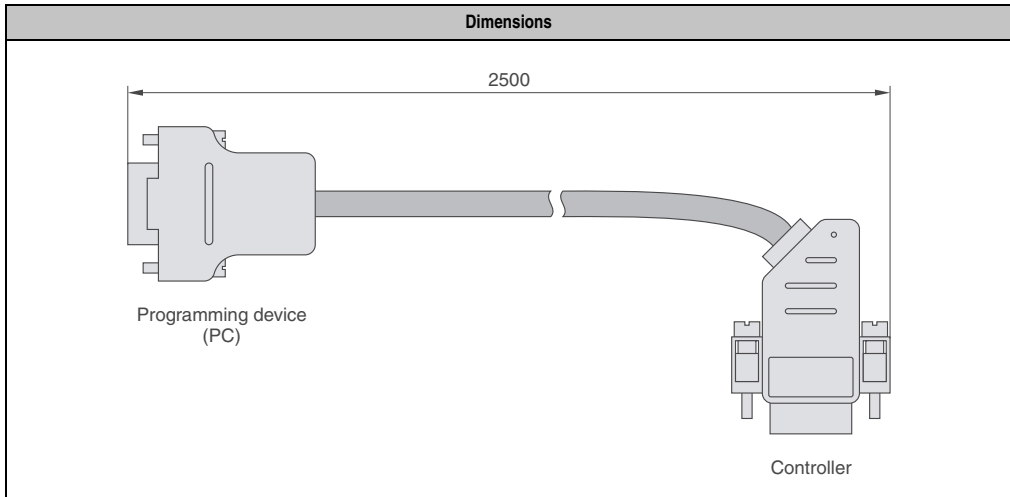


# 1. RS232 cable

## 1.1 B&R online cable

This cable can be used for connecting the CPU with the device used for programming (PC).

Model number	Short description
0G0001.00-090	Cable PC - PLC/PW, RS232, online cable

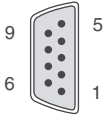
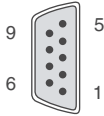


Pin assignments		
9-pin DSUB socket		9-pin DSUB socket
	RXD 2 ————— 3 TXD TXD 3 ————— 2 RXD GND 5 ————— 5 GND DTR 4 ————— 4 DTR DSR 6 ————— 6 DSR RTS 7 ————— 8 CTS CTS 8 ————— 7 RTS	

### 1.2 Standard RS232 cable

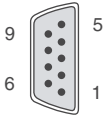
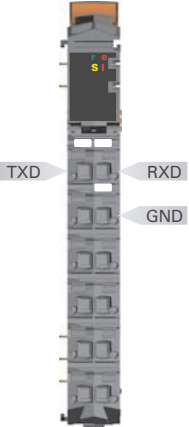
A standard RS232 cable can be used as online cable for the following B&R system CPUs, among other things:

- System 2003
- System 2005
- System 2010

Pin assignments														
9-pin DSUB socket		9-pin DSUB socket												
	<table border="0"> <tr> <td>Programming device (PC)</td> <td></td> <td>Controller (CPU)</td> </tr> <tr> <td>RXD 2</td> <td>—————</td> <td>3 TXD</td> </tr> <tr> <td>TXD 3</td> <td>—————</td> <td>2 RXD</td> </tr> <tr> <td>GND 5</td> <td>—————</td> <td>5 GND</td> </tr> </table>	Programming device (PC)		Controller (CPU)	RXD 2	—————	3 TXD	TXD 3	—————	2 RXD	GND 5	—————	5 GND	
Programming device (PC)		Controller (CPU)												
RXD 2	—————	3 TXD												
TXD 3	—————	2 RXD												
GND 5	—————	5 GND												

### 1.3 X20 CPUs

On X20 CPUs, the RS232 interface is located on the supply module. The open wires of the RS232 cable are connected to the corresponding terminals. An attachment cable must be assembled according to the diagram below.

Pin assignments														
9-pin DSUB socket		12-pin terminal block												
	<table border="0"> <tr> <td>Programming device (PC)</td> <td></td> <td>Controller (X20 CPU)</td> </tr> <tr> <td>RXD 2</td> <td>—————</td> <td>TXD</td> </tr> <tr> <td>TXD 3</td> <td>—————</td> <td>RXD</td> </tr> <tr> <td>GND 5</td> <td>—————</td> <td>GND</td> </tr> </table>	Programming device (PC)		Controller (X20 CPU)	RXD 2	—————	TXD	TXD 3	—————	RXD	GND 5	—————	GND	
Programming device (PC)		Controller (X20 CPU)												
RXD 2	—————	TXD												
TXD 3	—————	RXD												
GND 5	—————	GND												