



## BV 7055: Data connecting cable

Connection of bus terminal H 7506 to converter Edgeport/2i (USB / RS 485)  
in systems H41q/H51q  
Standard lengths: 2 m, 4 m

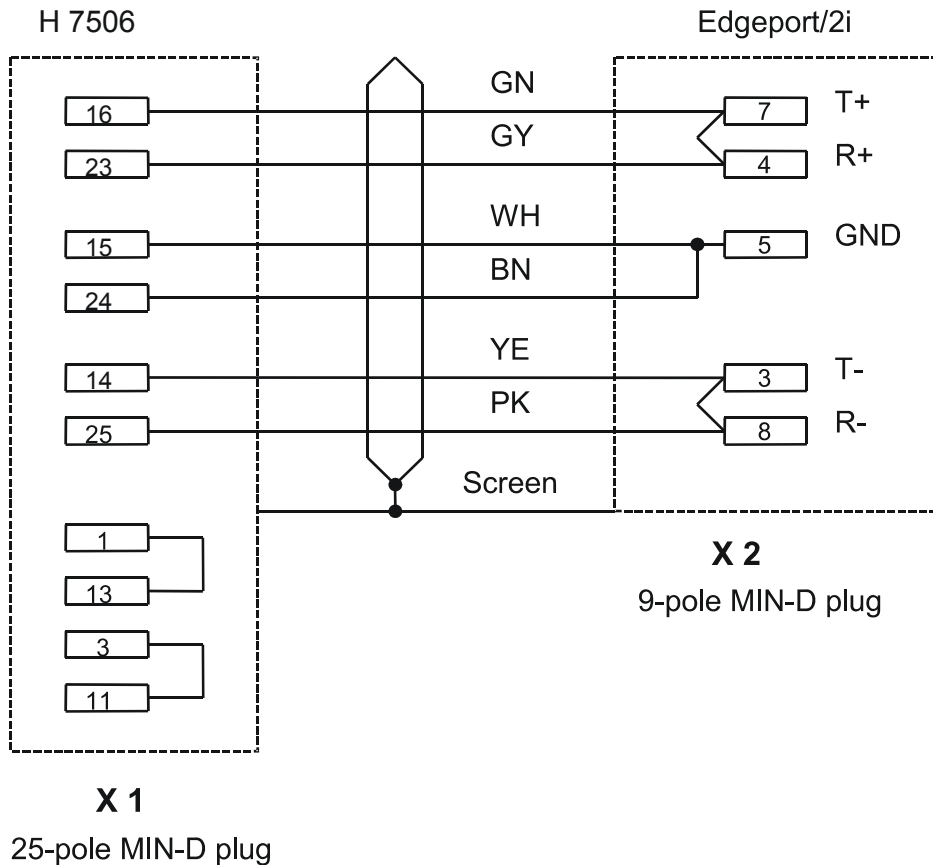
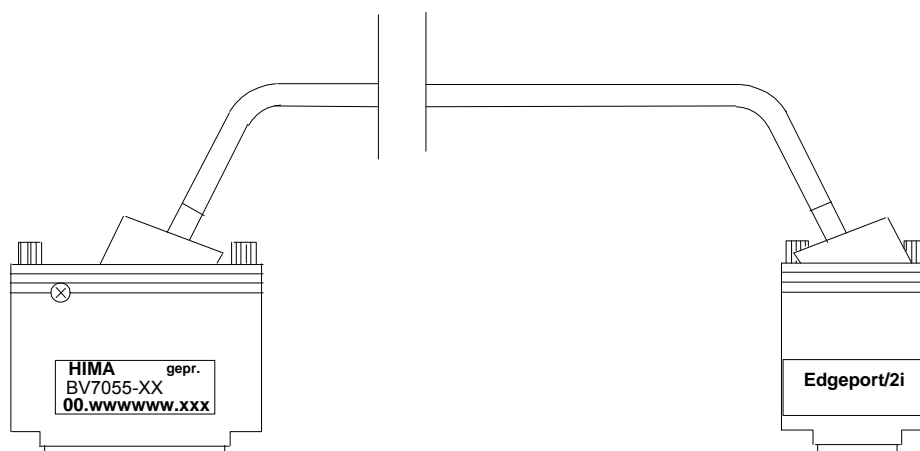


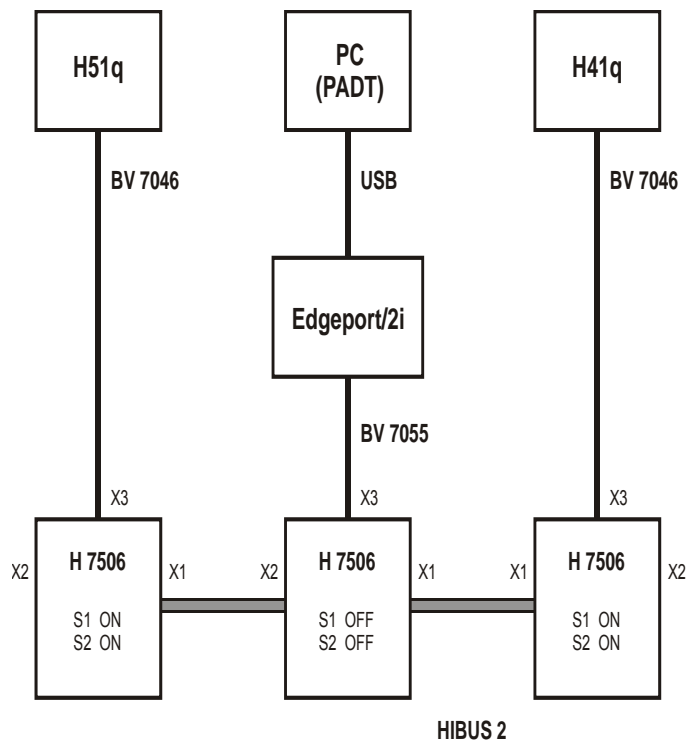
Figure 1: Wiring



Type of used cable: LiYCY 3 x 2 x 0.25 mm<sup>2</sup>

## Applications

### Connection to the centre of HIBUS



**Figure 2: Connection to the centre of HIBUS**

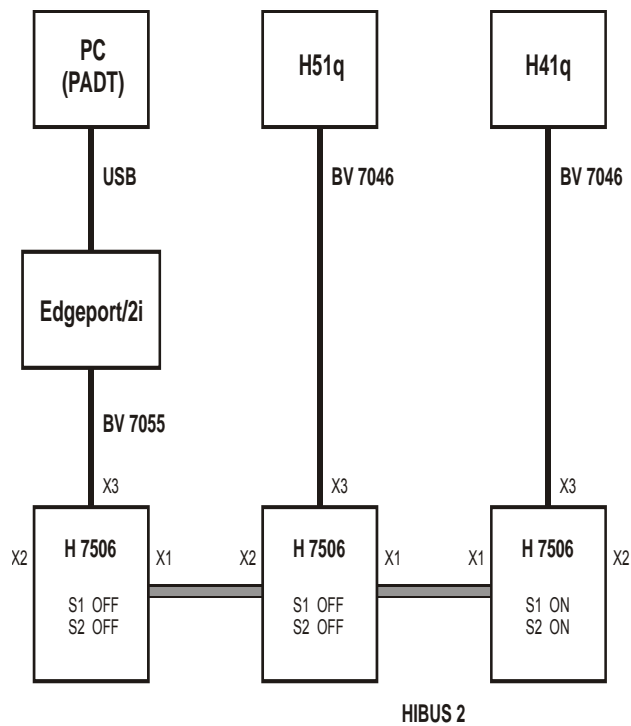
No.	Position	Explanation
1	ON	Echo disabled
2	ON	Half duplex
3	OFF	no bus termination
4	OFF	
5	ON	
6	ON	
7	OFF	not used
8	OFF	not used

**Table 1: Switch positions Edgeport/2i (8-position DIP switch)**



By removing the data cable BV 7055 the bus is disconnected.  
The cable must remain plugged to H 7506 if the bus is not exclusively used for programming.

**Connection to the end of HIBUS**



**Figure 3: Connection to the end of HIBUS**

No.	Position	Explanation
1	ON	Echo disabled
2	ON	Half duplex
3	ON	Bus termination activated
4	OFF	
5	ON	
6	ON	
7	OFF	not used
8	OFF	not used

**Table 2: Switch positions Edgeport/2i (8-position DIP switch)**

For the bus termination on H 7505 a 5 V supply is essential from the unit connected to X3. So the bus termination on the converter Edgeport/2i must be activated if it is connected to the end of the bus.



As the supply of the internal bus termination is made via the USB interface, there exists no termination if the PC is removed or switched off. So the connection of the converter to the end of a bus is only admissible if it is exclusively a programming bus.

