

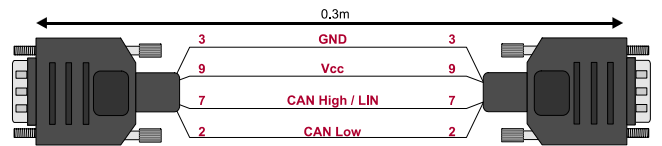
# Hardware Accessory

## CANcable Set Pro

The CANcable Set Pro contains:  
 1 x CANcable0  
 1 x CANcableY  
 2 x CANcableA  
 2 x CANterm 120 Ohm  
 2 x gender changer male/male  
 1 x gender changer female/female

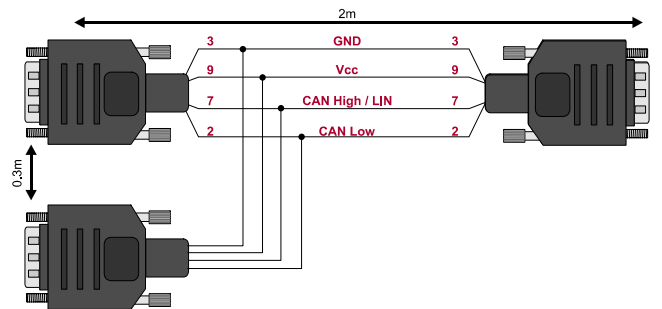
## CANcable0

0.3 m CAN/LIN connection cable, with two 9-pin DSUB socket connectors on both sides. Without terminating resistor.



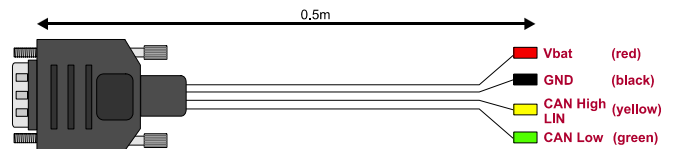
## CANcableY

2 m Y connection cable for CAN/LIN. With one 9-pin DSUB socket connector at one end and two 9-pin DSUB socket connectors at the other end. Cable length 2m. (only available via CANcable Set pro)



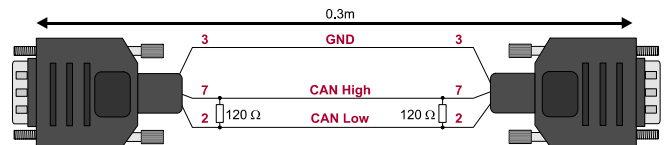
## CANcableA

0.5 m CAN/LIN connection cable, with one 9-pin DSUB socket connector at one end and the other end stripped; for clamping. (only available via CANcable Set pro)



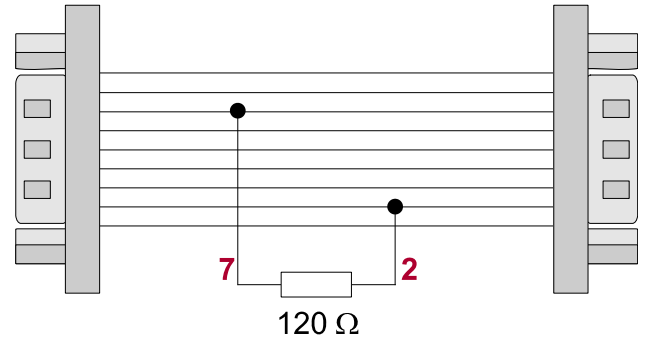
## CANcable1

0.3 m CAN/LIN connection cable, with two 9-pin DSUB socket connectors on both sides; two parallel 120 ohm terminating resistors between pin 2 and 7.



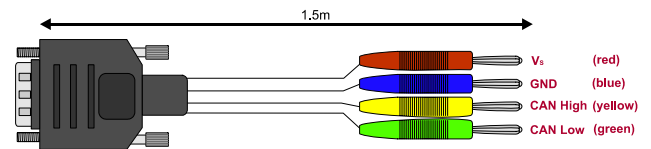
**CANterm120**

CAN adaptor with one 9-pin DSUB plug connector and one 9-pin DSUB socket connector. 120 ohm terminating resistor between pin 2 and 7. For CAN high-speed buses.



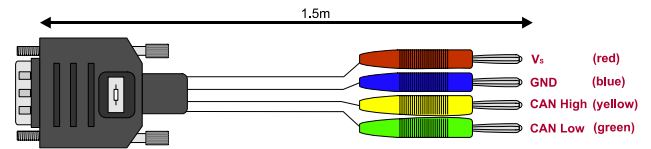
**CANcable TnT**

1.5 m CAN connection cable, with one 9-pin DSUB socket connector at one end and the other end with four banana pins.



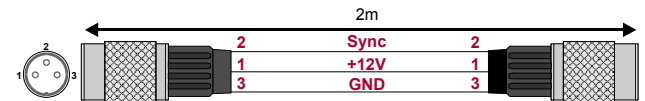
**CANcable TnT Term**

1.5 m CAN connection cable with terminating resistor for Truck and Trailer (ISO 11992), with one 9-pin DSUB socket connector at one end and the other end with four banana pins.



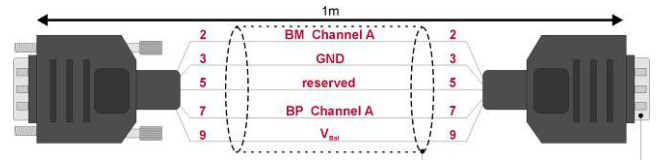
**SYNCcableXL**

Connection cable for time synchronization. 2m cable with 3-pin Binder socket Type 711 at each end. Can be used with VN2000, VN3000, and VN7000 Interface Families and with XL-Interface-Family (for CANcardXL the SyncBox XL is required additionally).



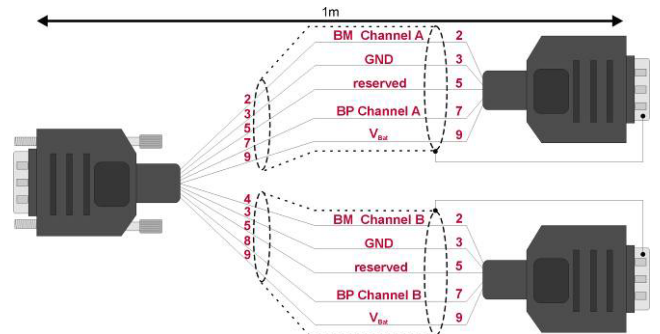
**FRcable A**

FlexRay cable for connection of VN3300/VN3600/VN7600 to the FlexRay bus. Provides Channel A at VN3300/VN3600/VN7600. 1m, both sides with D-SUB9 connectors (female).



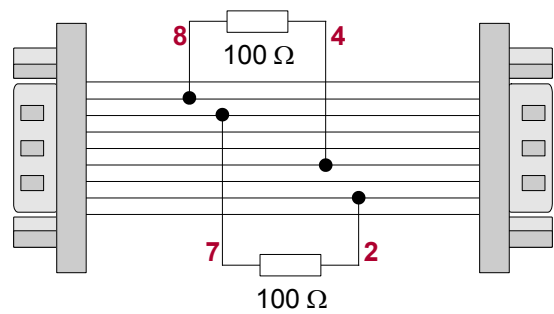
**FRcable AB**

FlexRay cable for connection of VN3300/VN3600/VN7600 to the FlexRay bus. Provides Channel A and B at VN3300/VN3600/VN7600. The pin assignment of both single ended connectors is identical and suitable for replacement of an existing FlexCard configuration. 1m, with female D-SUB9 connectors.



**FRterm**

FlexRay adapter for one-sided termination of a FlexRay cluster (Channel A und B) with 2x 100 Ohm terminating resistor. Pin assignment suitable for VN3300/VN3600/VN7600.

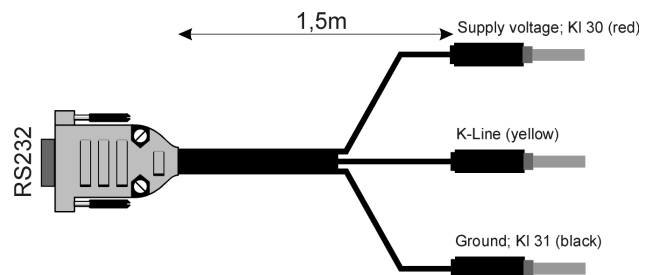


**Ser2K**

Adaptor cable for voltage level conversion from RS232 to K-Line (DIN 9021). 9-pin DSUB socket connector with integrated voltage level converter at one end. Three banana plugs at the other end. Cable length 1,5 m. External power supply.

Technical Data:

- > Conversion RS232-K-Line-RS232: 0..150 kBaud
- > Supply voltage Kl 30 (UBatt): 6..-30 V short circuit proof
- > Temperature range (operating): - 20 °C..+50 °C
- > Pull-up on K-Line: 1,2 k
- > Trigger Threshold: 30 % and 70 % UBatt



**OBD CAN Cable**

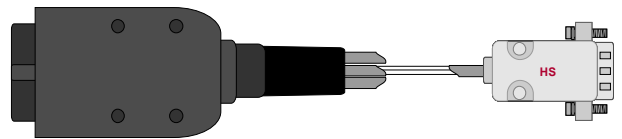
Connection cable for OBD and CAN with one 9-pin DSUB connector at one end and 16-pin OBD socket connector at the other end.

Pin assignment (DSUB-9 / OBD):

- 2 / 14 CAN Low
- 3 / 5 GND
- 7 / 6 CAN High

HS  
2 (14) CAN Low  
3 (5) GND  
7 (6) CAN High

find OBD pin assignments in brackets



**OBD Cable**

Connection cable for OBD and BMS, HS, IMS with three 9-pin DSUB connectors at one end and 16-pin OBD socket connector at the other end.

Pin assignment (DSUB-9 / OBD):

- BMS
- 2 / 11 Vendor specific
  - 3 / 5 GND
  - 7 / 3 Vendor specific

- HS
- 2 / 14 CAN Low
  - 3 / 5 GND
  - 7 / 6 CAN High

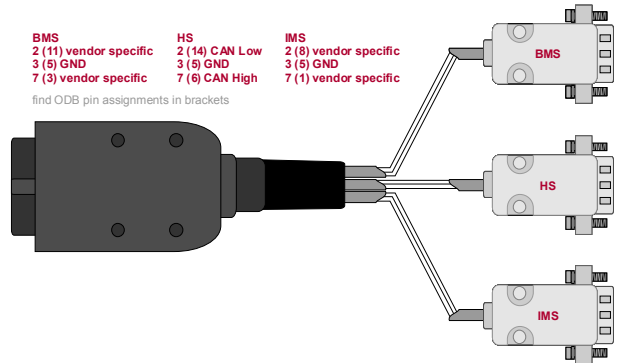
- IMS
- 2 / 8 Vendor specific
  - 3 / 5 GND
  - 7 / 1 Vendor specific

BMS  
2 (11) vendor specific  
3 (5) GND  
7 (3) vendor specific

HS  
2 (14) CAN Low  
3 (5) GND  
7 (6) CAN High

IMS  
2 (8) vendor specific  
3 (5) GND  
7 (1) vendor specific

find OBD pin assignments in brackets



**Car Supply Cable 12V**

Cable set power supply for 12 V power (cigarette lighter) with 3 pol Binder connector.

**Car Supply Cable 24V**

Cable set Power supply for 24 V power (cigarette lighter) with 3 pol Binder connector. Input voltage 18..36 V DC, output voltage 12 V DC/1250 mA.

**Vector CardSafe**

The Vector CardSafe prevents the buckling of inserted cables and the damage of connectors or cables. It consists of a base plate and a connector. The base plate is affixed to the underside of the notebook and has not to be removed for transporting.

The connector must be plugged in to the base plate. The height of the clamping plates can be adapted to the PCMCIA connectors by bolt spacers.

To transport the laptop in a bag the connector has to be unlocked and removed from the base plate.

**CANcaseXL log  
CardFix Kit**

The standard delivery of the CANcaseXL log allows the user to insert and remove the SD card from outside. In some situations, e.g. to prevent thefts, the inserted SD card shall not be removable. The CardFix Kit is an ideal protection solution, because the back side plate with the SD card slot is replaced by a closed plate. Thus the SD card can not be removed so easily anymore.