## Hardware Accessory

### Cables and Adaptors for CAN

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

#### CANterm 120
- CAN adapter for high-speed CAN buses
- 1x female D-SUB9 connector
- 1x male D-SUB9 connector
- 120 Ohm terminating resistor

#### CANcable0
- CAN/LIN connection cable
- 0.3 m length
- 2x female D-SUB9 connectors
- without terminating resistors
- for CAN low-speed

#### CANcable1
- CAN connection cable
- 0.3 m length
- 2x female D-SUB9 connectors
- 2 parallel 120 Ohm terminating resistors
- for CAN high-speed

#### CANcableA:
- CAN-/LIN connection cable
- 0.3 m length
- 1x female D-SUB9 connector
- 4x stripped wires
- only available with CANcable Set Pro

#### CANcableY:
- Y extension cable for CAN
- 2 m length
- 3x female D-SUB9 connectors
- only available with CANcable Set Pro

#### CANcable2Y
- Y cable for Vector CAN/LIN interfaces with D-SUB9 double assignment (VN1600)
- splits the double assignment into two separate D-SUB9 connectors

#### CANcableTnT
- CAN connection cable (CANcable TnT Term with terminating resistor for Truck & Trailer)
- 1.5 m length
- 1x female D-SUB9 connector
- 4x banana plugs

#### CANcableTnT Term
- CAN connection cable
- 1.5 m length
- 1x female D-SUB9 connector
- 4x banana plugs
FRcable A
- FlexRay cable for connection of VN3300/VN3600/VN7600 to the FlexRay bus
- provides channel A at VN3300/VN3600/VN7600
- 1 m length
- 2x 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
- identical pin assignment of both single ended connectors
- 3x D-SUB9 connectors (female)

FRTerm
- FlexRay adaptor for termination of a FlexRay cluster
- 2x 100 Ohm terminating resistor
- for VN3300/VN3600/VN7600/VN8970
- 1x D-SUB9 connector (female)
- 1x D-SUB9 connector (male)

FRCANcable 2Y
- Y cable primarily for VN7610 FR/CAN interface
- D-SUB9 double assignment is split into two separate D-SUB9 connectors

Breakout Box D62Y9 and VNcable D62Y9
- Breakout Box resp. adapter cable for VN7570
- Connectors: 1x D-SUB62 (female) 1x D-SUB15 (female)
- 8x D-SUB9 (male)
- Breakout Box requires VNcable DSUB62

VNcable DSUB62
- Connection cable with D-SUB62 connectors between Breakout Box D62Y9 and VN7570
- Connectors: 1x D-SUB62 (male), 1x D-SUB62 (female)
- 0.5 m length

VNcable DSUB62A
- Connection cable with D-SUB62 connectors between Breakout Box D62Y9 and VN7570
- Connectors: 1x D-SUB62 (male), 1x D-SUB62 (female)
- 1.2 m length

VNcable DSUB62B
- Connection cable with D-SUB62 connector and open end
- Connectors: 1x D-SUB62 (female), 62x wires
- 2 m length

BRcable 2Y
- Y cable for Vector VN5600 BroadR-Reach Ethernet Interface Family with D-SUB9 double assignment
- splits the double assignment into two separate D-SUB9 connectors
Cable for OBD and K-Line, I/O Piggy

**Ser2K**
- Adaptor cable for voltage level conversion from RS232 to K-Line (DIN 9021)
- 1.5 m length
- D-SUB9 socket connector with integrated voltage level converter at one end, three banana plugs at the other end

**OBD cable CAN**
- Connection cable for OBD and CAN
- Female D-SUB9 connector at one end and 16-pin OBD socket connector at the other end

**Vector CardSafe**
- Prevents the buckling of inserted cables and the damage of connectors or cables

**IOcab 8444opto**
- Measurement of digital and analog values
- Sending of digital signals
- Output of analog signals
- Time-correlated acquisition of signals and signal changes
- Precise time stamp
- Simultaneous and also mixed operation of multiple IO-/CAN-/LINcabs
- Firmware update possible at customer site

**OBD cable OEM01**
- Connection cable for OBD and BMS, HS, IMS
- 3x female D-SUB9 connectors at one end, 16-pin OBD socket connector at the other end

**OBD cable OEM GM**
- Connection cable for GM (General Motors) OBD and CAN
- 2x female D-SUB9 connectors at one end, 16-pin OBD socket connector at the other end
**SYNCcableXL**
- Connection cable for time synchronization
- Length: 2 m resp. 0.5m (SYNCcable50)
- 2x female 3-pin binder connectors (type 711)
- Can be used with VN1600, VN2000, VN3000, VN5600, and VN7000 Interface families and with XL-Interface-Family

**Multi SYNCbox external**
- Distributor in plastic case for time synchronization
- For up to five Vector devices
- 5x male 3-pin connectors (Binder type 711)

**Multi SYNCbox active**
- Distributor in plastic case for time synchronization
- For up to 10 Vector devices
- 12x male 3-pin connector (Binder type 711)
- 10x SYNC out; 1x SYNC in; 1x DC in

**SYNCbox XL**
- Time synchronization of multiple CANcardXL/XLe among each other with other Vector network interfaces
- Cable length: approx. 30 cm (1 ft.) to the CANcardXL
- Weight: approx. 100 g (3.5 oz)
- Connections: PC side: 15-pin plug connector to CANcardXL, Bus side: 15-pin socket to CANcab or LINcab, Sync side: two 3-pin Binder connectors (711 series)