

Cables for Trailer iEBS and iABS

Intelligent Braking Platform for Trailers

Power Cables for iEBS and iABS

ISO 7638 - Semi-trailer (Blue cap)
Mini FUSE type F [15A]

449 174 080 0 8 m
449 174 100 0 10 m
449 174 120 0 12 m
449 174 150 0 15 m

ISO 7638 - Semi-trailer

449 175 080 0 8 m
449 175 100 0 10 m
449 175 120 0 12 m
449 175 130 0 13 m
449 175 140 0 14 m
449 175 150 0 15 m

ISO 7638 - Drawbar trailer

449 275 060 0 8 m
449 275 100 0 10 m
449 275 120 0 12 m
449 275 150 0 15 m
449 275 160 0 16 m

Router (EuroCombi or Roadtrain)

446 122 050 0
Power IN: Socket
Power OUT 1: Plug
Power OUT 2: Plug

446 122 052 0
Power IN: Plug
Power OUT 1: Plug
Power OUT 2: Plug

ISO 7638 Semi-trailer

449 135 005 0 0.5 m
449 135 025 0 3 m
449 135 060 0 6 m
449 135 140 0 14 m

ISO 7638 Semi-trailer

449 133 003 0 0.3 m
449 133 030 0 3 m
449 133 060 0 6 m
449 133 120 0 12 m
449 133 150 0 15 m

Router (Trailer with 2x modulators)

446 122 056 0
Power IN: Socket
Power OUT 1: Plug
Power OUT 2: Plug
Pressure sensor: Socket

446 122 054 0
Power IN: Plug
Power OUT 1: Plug
Power OUT 2: Plug
Pressure sensor: Socket

ISO 7638 Drawbar trailer

449 233 030 0 3 m
449 233 100 0 10 m
449 233 140 0 14 m
449 233 180 0 18 m

ISO 7638 Drawbar trailer

449 231 060 6 m
449 231 120 12 m

Repeater for over-length trailers

446 122 051 0
Power IN: Socket
Power OUT 1: Plug
Pressure sensor: Socket

446 122 053 0
Power IN: Plug
Power OUT 1: Plug
Pressure sensor: Socket

Bayonet plug

894 600 049 0 20 m
894 600 051 0 30 m
894 600 032 0 40 m
894 600 033 0 50 m
894 600 034 0 60 m

Bayonet socket

449 309 005 0 0.5 m
449 309 030 0 3 m
449 309 060 0 8 m
449 309 100 0 10 m

Bayonet plug

449 425 030 0 3 m
449 425 060 0 6 m

Power Cables for iABS only

Weather pack

449 306 005 0 0.5 m
449 306 010 0 1 m
449 306 030 0 3 m
449 306 040 0 4 m
449 306 047 0 4.7 m

Open end

449 307 010 0 1 m
449 307 030 0 3 m

HUB Duplicator

894 600 151 2 0.5 m

Power

894 600 141 2 0.5 m

GIO Cables

GIO ABS Sensor

449 733 008 0 (!) 0.8 m
449 733 013 0 1.3 m
449 733 016 0 1.8 m
449 733 023 0 (!!) 2.3 m
449 733 030 0 3 m
449 733 040 0 (!!) 4 m
449 733 050 0 (!!) 5 m
449 733 060 0 (!!) 6 m
449 733 070 0 (!!) 7 m
449 733 080 0 (!!) 8 m
449 733 090 0 (!!) 9 m
449 733 100 0 (!!) 10 m
449 733 120 0 (!!) 12 m
449 733 150 0 (!!) 15 m

Plug ABS sensor extension Socket

449 712 012 0 1.2 m
449 712 030 0 3 m
449 712 060 0 6 m
449 712 100 0 10 m

GIO (pin 1 & 2) Bayonet RTR/LACV Bayonet socket

449 408 008 0 0.8 m
449 408 010 0 1 m
449 408 020 0 2 m
449 408 030 0 (!) 3 m
449 408 040 0 (!) 4 m
449 408 060 0 6 m
449 408 100 0 10 m
449 408 120 0 12 m

GIO Green lamp Superseal

449 940 060 0 6 m
449 940 100 0 10 m

GIO Height Sensor HDSCS 3 pin

449 829 010 0 1 m
449 829 030 0 3 m
449 829 050 0 5 m
449 829 080 0 8 m
449 829 120 0 12 m

GIO ECAS 2 Points HDSCS 4 pin, code A

449 508 030 0 3 m
449 508 050 0 5 m

GIO Pressure sensor Bayonet socket

449 826 010 0 1 m
449 826 030 0 3 m
449 826 040 0 (!!) 4 m
449 826 080 0 (!!) 8 m
449 826 100 0 (!!) 10 m
449 826 180 0 (!!) 18 m

GIO BVA

449 836 013 0 (L) 1.3 m
449 836 030 0 (L) 3 m

Plug BVA sensor extension Socket

449 720 010 0 1 m
449 720 020 0 2 m
449 720 050 0 5 m

Plug Sensor Splitter LIN Splitter

894 590 082 0 0.5 m

GIO (pin 2 & 3) Switches only Bayonet socket

449 448 060 0 6 m

GIO eTASC Bayonet socket

449 403 010 0 1 m
449 403 030 0 3 m
449 403 050 0 5 m
449 403 060 0 6 m

GIO ECAS / LACV-IC HDSCS 4 pin, code B

449 509 010 0 1 m
449 509 030 0 3 m
449 509 050 0 5 m
449 509 060 0 6 m

Bayonet plug Pressure sensor extension Bayonet socket

449 425 030 0 3 m
449 425 060 0 6 m

GIO Open end 4 pins

449 827 010 0 (!) 1 m
449 827 030 0 (!) 3 m
449 827 060 0 (!) 6 m
449 827 100 0 (!) 10 m
449 827 120 0 (!) 12 m
449 827 160 0 (!) 16 m

GIO Open end 2 pins (i.e. Tractor Help)

449 831 050 0 5 m
449 831 080 0 8 m
449 831 120 0 12 m
449 831 150 0 15 m

GIO BVA Superseal*

449 847 013 0 (L) 1.3 m
449 847 030 0 (L) 3 m

GIO EBS 3rd Modulator 2x Bayonet

449 414 010 0 1 m
449 414 030 0 3 m
449 414 080 0 8 m
449 414 130 0 13 m

GIO ABS 3rd Modulator Bayonet socket

449 407 030 0 3 m
449 407 060 0 6 m
449 407 080 0 8 m
449 407 100 0 10 m
449 407 110 0 11 m
449 407 120 0 12 m

GIO Tire Inflation Socket

449 743 010 0 1 m
449 743 030 0 3 m

SUBSYSTEMS Cables

SUBSYSTEMS SmartBoard HDSCS

449 929 040 0 4 m
449 929 060 0 6 m
449 929 120 0 (!!) 12 m

SUBSYSTEMS OptiLink OptiTime EVO Pulse HDSCS

449 928 020 0 2 m
449 928 050 0 5 m
449 928 120 0 (!!) 12 m
449 928 150 0 (!!) 15 m

SUBSYSTEMS Open end 4 pin

449 608 047 0 4.7 m

SUBSYSTEMS SCALAR EVO Guard HDSCS

449 936 050 0 5 m

SUBSYSTEMS Telematics Bayonet

449 921 010 0 1 m
449 921 120 0 12 m
449 921 170 0 17 m

IN/OUT Cables

IN/OUT iEBS Open end 2 pin

449 321 040 0 4 m
449 321 060 0 6 m
449 321 100 0 10 m
449 321 150 0 15 m

IN/OUT iEBS Bayonet plug

449 361 010 0 1 m
449 361 060 0 6 m
449 361 090 0 9 m

TailGUARD Cables

SUBSYSTEMS TailGUARD Sensor Socket

449 839 030 0 3 m
449 839 060 0 6 m

Plug Sensor Splitter 2x Socket LIN Splitter

894 600 024 0 0.5 m

Plug Sensor Extension Socket

449 747 060 0 6 m
449 747 080 0 8 m

Diagnostic Cables

SUBSYSTEMS Diagnostic Socket

449 607 020 0 2 m
449 607 040 0 4 m

SUBSYSTEMS Deutsch Diagnostic Socket

449 606 030 0 3 m

SUBSYSTEMS CAN HUB Duplicator

894 600 161 2 0.5 m

GIO port duplicator cables

GIO GIO HUB duplicator 1-1

894 600 171 2 0.5 m

GIO GIO HUB duplicator 1-3

894 600 131 2 0.5 m

GIO GIO HUB duplicator 1-4

894 600 121 2 0.5 m

Connector Plug Insertion Instructions

4-PIN CABLES CONNECTION

- Remove the blind plug (Bp) from the modulator connector frame (if fitted) by pressing the locking tag (Lt) and pulling out the connector end.
- Insert the cable connector end into the corresponding slot of the connector frame. The coding between the connector and the slot (ABS sensor, GIO, 3rd Modulator, GIO, or the ABS modulator & Stop Light) ensures that they can only be inserted if the two parts match.
- Push-in the cable until you hear the locking tag (Lt) of the connector locks. An audible "click" sound confirms the correct latching.

8-PIN CABLES CONNECTION

- Unlatch the yellow retainer clip by hand and remove the blind plug (Bp) from the modulator connector frame (if fitted).
- Remove the protection (P) cap from the cable end connector and insert it into the corresponding slot of the connector frame. The coding between the connector and the slot (POWER, SUBSYSTEMS, TEMS or IN-OUT) ensures that they can only be inserted if the two parts match.
- Push-in the yellow retainer clip until you hear it locks. An audible "click" sound confirms the correct latching.

After all the cables are connected, use zip ties to hold the cables in position to the dedicated cable holder.

All slots of the connector frame without cables must be fitted with blind plugs. The blind plugs are not coded and match the respective slot.

Cable Fixation

EXCESS CABLE LENGTH

Cables shall be fastened to the dedicated cable holder and further to the trailer frame.

All slack remaining in the cable once the connections are made can be bundled in a Z-shaped loop.

Do not coil the cable into a circular bundle.

All cable fasteners should be tightened in a manner only to the extent that the cable is held sufficiently in place.

Over tightening can result in damage to the cable.

The cable's bending radius (R) shall be equal to or greater than 10 times cable diameter (D).

distance between holding points = 300 mm

Fuse Exchange Instructions

- Unscrew the union nut (1) and pull it back, then unscrew the cover nut (2) to open the socket body.
- Remove the fuse box (3) from its cavity. A screwdriver can be used to lift the latching tag (*).
- Determine if the fuse is blown by inspecting the metal link. If the fuse is blown, replace it with a mini fuse type F (15A), otherwise reinsert the fuse back and reassemble all the elements back ensuring their original position.

Union nut (1) torque = 6 ± 0.5 Nm
Cover nut (2) torque = 10 ± 2 Nm

Power Pin Allocations

ISO 7638

- Modulators (24V)
- ECU (24V)
- ECU (Ground)
- Modulators (Ground)
- Warning lamp
- Data line CAN-H
- Data line CAN-L

ISO 12098

- Left-hand direction indicator
- Right-hand direction indicator
- Rear fog lights
- Common ground
- Left-hand side lights
- Right-hand side lights
- Stop lights
- Reversing lights
- Constant power supply
- Brake Wear Indicator
- Parking brake applied
- Lift axle status
- Ground for CAN (14 & 15)
- CAN-H (not ABS/EBS)
- CAN-L (not ABS/EBS)

Weatherpack 5 pin

- B - Constant power
- A - Stop lights
- D - Indicator lights
- E - Ground
- C - Not connected