

K176 Cable Datasheet

IC, L0B 5p, DS 9p / B, R

Cable between CAN socket/measurement module and CAN interface; incl. power supply line and a 120 ohm CAN termination resistor

Description

The signal cables are manufactured specifically for CSM. Highly durable wires are used, which are characterized by a high interference resistance and a good signal quality.

Temperature

The temperature range specified for the main cable, excluding connectors, is -30 to 150 °C. The temperature range specified for the connectors may vary depending on the type (e.g. LEMO B connector: -55 to 250 °C; D-Sub: -55 to 105 °C; Banana: -40 to 80 °C; LEMO Redel: -50 to 150 °C).

Main Cable Diameter

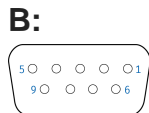
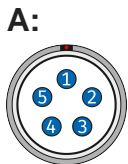
5.6 mm

Bending Radius

5 x Diameter (permanently installed)

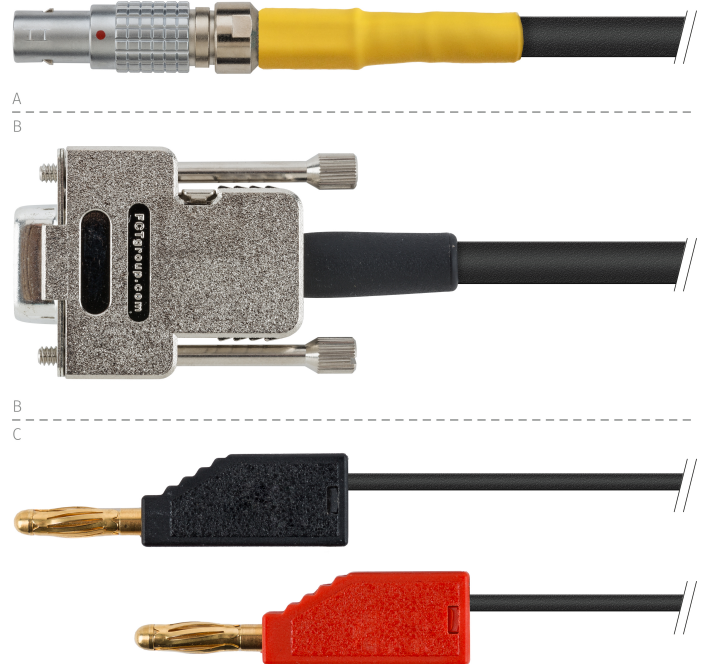
Connectors

| Code | Connector Type | Poles | Code: G | Gender |
|------|----------------|--------|---------|--------|
| A | L0B | 5-pole | | male |
| B | DS | 9-pole | | female |
| C | 2x B | 1-pole | | male |



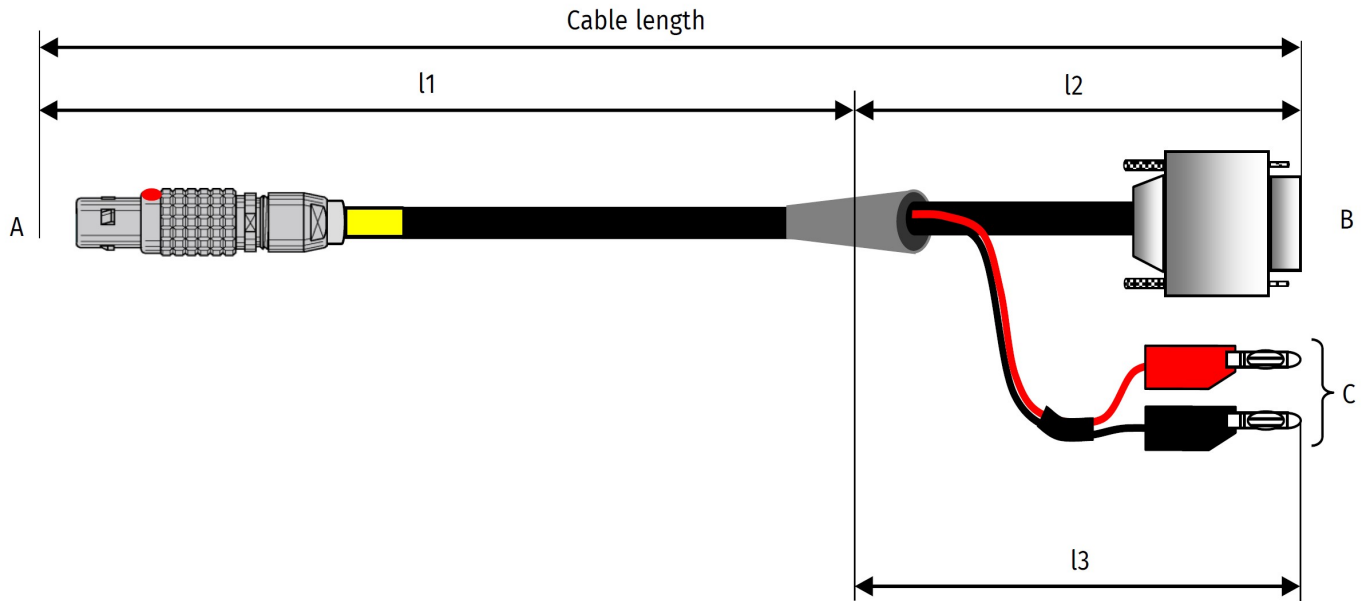
Variants

| Item No. | Cable Name | Length |
|------------|-----------------------------|--------|
| ART1050101 | K176-0060 | 0.6 m |
| | I1: 0.3 m I2: 0.3 m I3: 1 m | |
| ART1050102 | K176-0250 | 2.5 m |
| | I1: 1.5 m I2: 1 m I3: 1 m | |
| ART1050103 | K176-0500 | 5 m |
| | I1: 4 m I2: 1 m I3: 1 m | |
| ART1050104 | K176-1000 | 10 m |
| | I1: 9 m I2: 1 m I3: 1 m | |



Picture similar to actual product

Overview



Pinning

| Con. A Pin | Signal | Cable Wire Color | Con. B Pin | Con. C Pin |
|---------------|--------------|---------------------|--------------------|---------------|
| 1 | Power + | red | - | red |
| 2 | Power GND | black | - | black |
| 3 | CAN_H | yellow | 7 *) | - |
| 4 | CAN_L | green | 2 *) | - |
| 5 | CAN_GND | grey | 3 | - |
| Housing | Cable shield | - | 5 + Housing | - |
| - | - | - | 1, 4, 6, 8, 9 n.c. | - |

*) Termination 120 ohm between Pin 2 and 7



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