

K177 Cable Datasheet

IC, F102 7p, DS 9p / B, R

Cable with Fischer Series 102 7-pole connector between CAN socket/measurement module and CAN interface; incl. 1 m power supply line

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

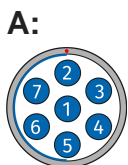
5.6 mm

Bending Radius

5 x Diameter (permanently installed)

Connectors

| | | | | |
|----------|------|--------|---------|--------|
| A | F102 | 7-pole | Code: 1 | male |
| B | DS | 9-pole | | female |
| C | 2x B | 1-pole | | male |

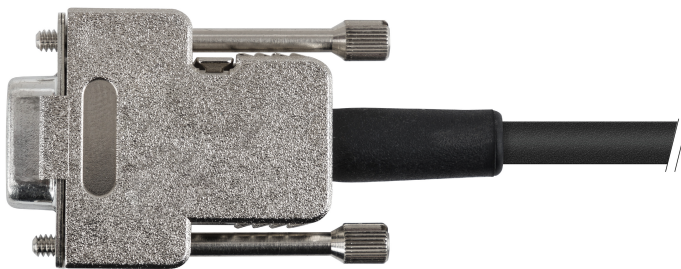


Variants

| Item No. | Cable Name | Length |
|------------|-----------------------------|--------|
| ART1050302 | K177-0060 | 0.6 m |
| | I1: 0.3 m I2: 0.3 m I3: 1 m | |
| ART1050306 | K177-0150 | 1.5 m |
| | I1: 0.5 m I2: 1 m I3: 1 m | |
| ART1050303 | K177-0250 | 2.5 m |
| | I1: 1.5 m I2: 1 m I3: 1 m | |
| ART1411504 | K177-0400 | 4 m |
| | I1: 3 m I2: 1 m I3: 1 m | |
| ART1050304 | K177-0500 | 5 m |
| | I1: 4 m I2: 1 m I3: 1 m | |
| ART1050305 | K177-1000 | 10 m |
| | I1: 9 m I2: 1 m I3: 1 m | |



A
B

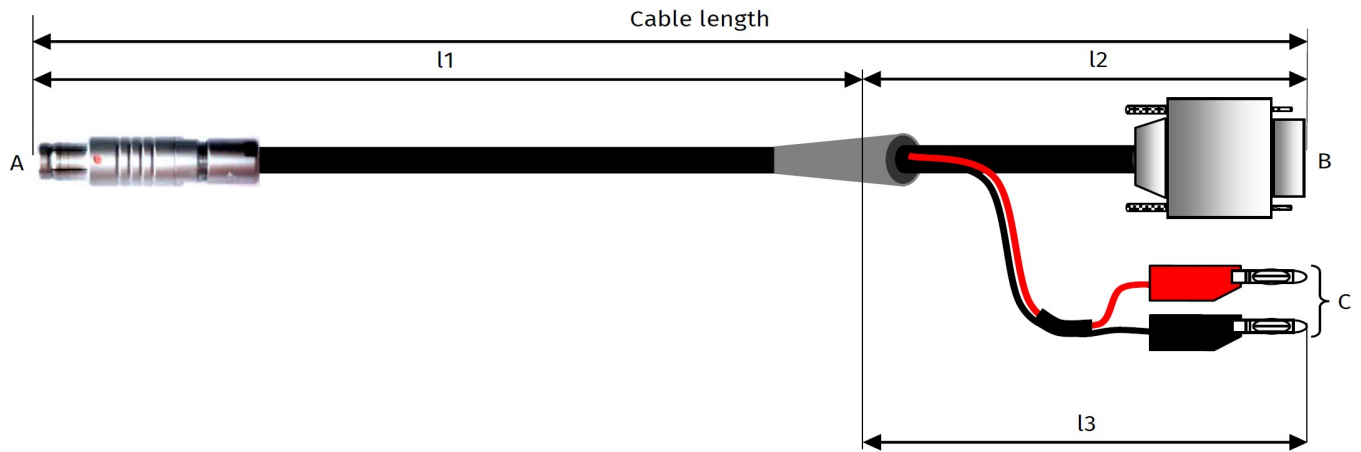


B
C



Picture similar to actual product

Overview



Pinning

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

*) Termination 120 ohm between Pin 2 and 7



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