

Adapter Cables

Technical Note

Overview

The recording of physiological data requires cables with the proper interfaces to connect the various pieces of the required instrumentation. A selection of adapter cables sold by iWorx is presented in this tech note.



C-BNC

BNC to BNC cable (5 ft.)



C-USB

USB interface cable: USB-A connector to USB-B connector



C-DIN-EXT

Male DIN8 to female DIN8 extension cable (5 ft.)



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Adapter Cables



C-BNC-DIN
BNC to DIN8 adapter cable (5 ft.)



C-DIN-MM
Male DIN8 to male DIN8 adapter cable (5 ft.)



BNC-ALIG
BNC to dual alligator clips adapter cable (5 ft.)



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C-

Adapter Cables



C-BNC-B

BNC connector to BNC/dual banana plug adapter assembly (5 ft.)



C-BNC-J6

BNC to 3 mm phone plug adapter cable (5 ft.)



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Adapter Cables



C-DIN-J6

DIN8 to 3 mm phono jack adapter cable (5 ft.)

C-DIN-25MP (not illustrated)

1/4 in. phone plug (mono) to DIN8 adapter cable (5 ft.)



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Adapter Cables



Gain Cables (C-DIN-M-F-X10, C-DIN-M-F-X100, C-DIN-M-F-X1000)
DIN 8 with X10, X100, or X1000 gain resistor adapter cable (5 ft.)

When transducers, electrodes, and isolation amplifiers are used with iWorx data recorders or amplifiers, the appropriate gain required for the proper operation of the transducer or probe is programmed by the transducer or probe itself. The amplification of the DIN8 transducer input channels is set by the value of a resistor located inside the DIN8 connector of the transducer or probe. During some experiments, the output of a transducer or a probe may need to be amplified above or below the level programmed by the resistor of the transducer. The gain of DIN8 input channels can be changed, without modification to the transducer or probe, through the use of C-DIN-M/F Gain Cables. This is possible because the resistor in a C-DIN-M/F Gain Cable replaces the resistor in the DIN8 connector of the transducer when the C-DIN-M/F Gain Cable is placed between the DIN8 connector of the transducer and the DIN8 input of the iWorx data recorder or amplifier.

To use the C-DIN-M/F Gain Cables

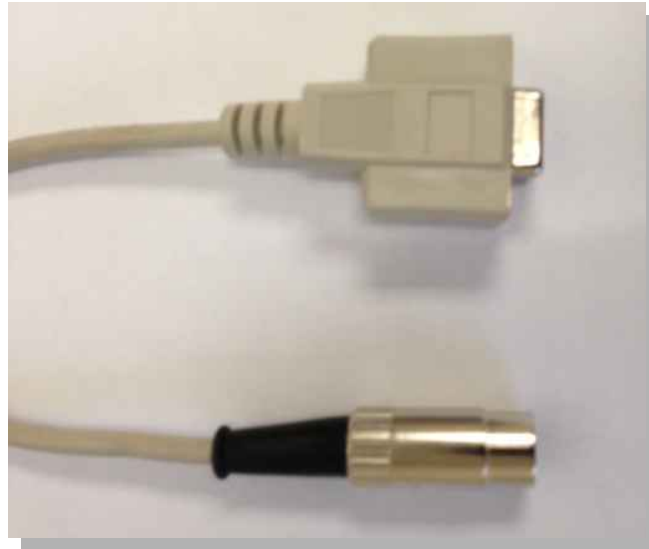
- 1) Select the C-DIN-M/F Gain Cable with the amplification needed (X10, X100, or X1000) for the experiment being performed.
- 2) Plug the DIN8 connector of the C-DIN-M/F Gain Cable into one of the DIN8 transducer inputs of an iWorx data recorder or amplifier.
- 3) Plug the DIN8 connector of the transducer, headstage amplifier, electrode assembly, or isolation amplifier into the DIN8 connector of the C-DIN-M/F Gain Cable.



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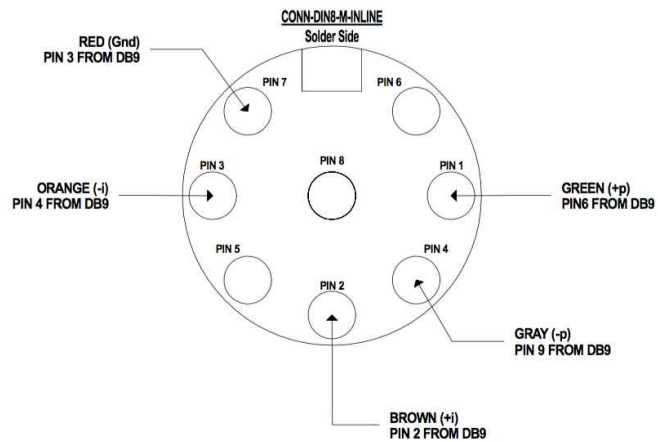
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Adapter Cables



C-DIN-BIOPAC-DB9

Adapter cable connects BIOPAC transducers with a DB9 connector to iWorx DIN8
Pinout:



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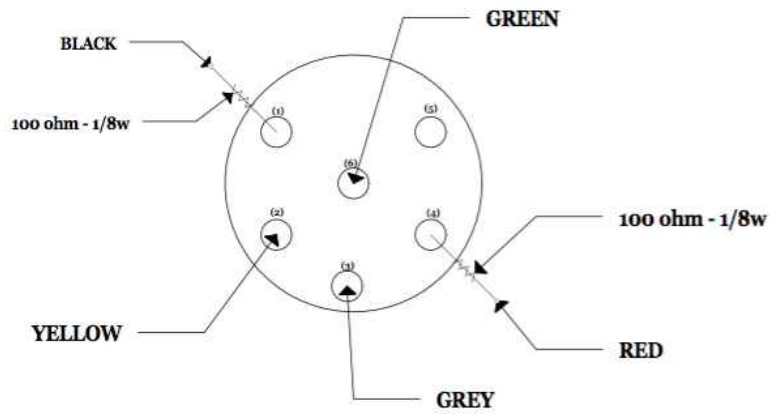
Adapter Cables



C-DIN-GRASS-F

DIN8 to Grass female connector adapter cable (5 ft.)

Pinout:



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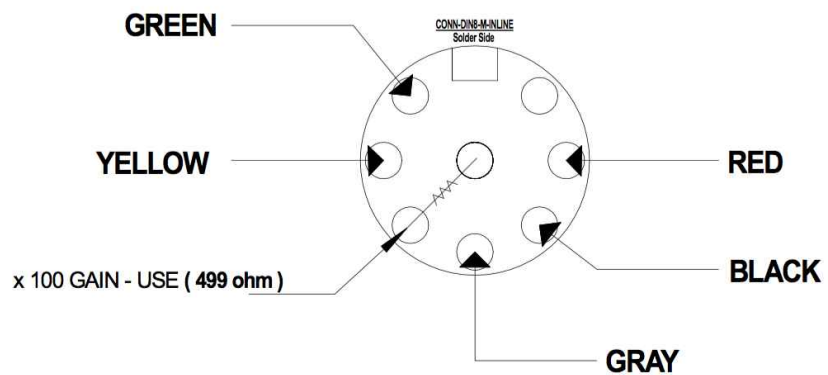
Adapter Cables



C-DIN-GRASS-M

DIN8 to Grass male connector adapter cable (5 ft.)

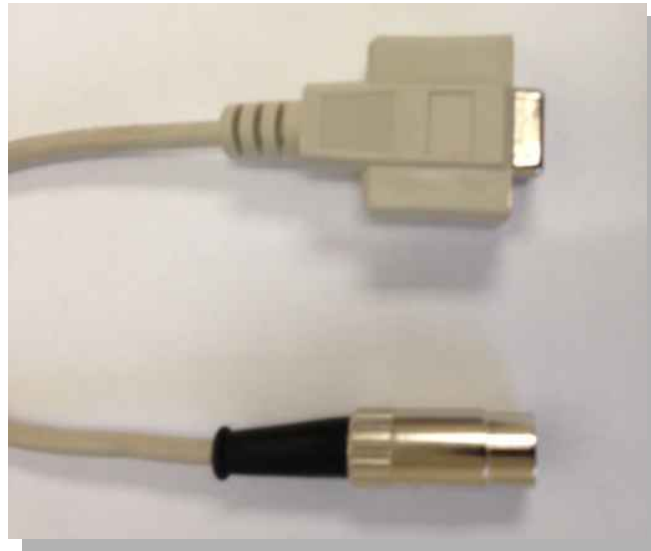
Pinout:



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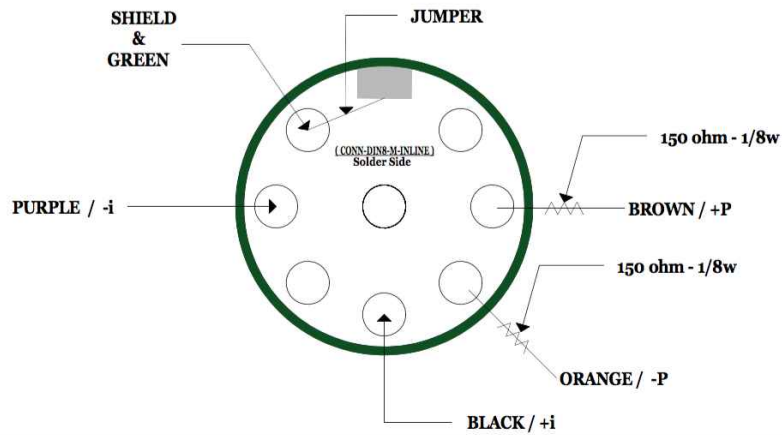
Adapter Cables



C-DIN-MILLAR

DIN8 to Millar TC510 connector adapter cable (5 ft.)

- Pin 1 BROWN**
- Pin 3 ORANGE**
- Pin 9 BLACK**
- Pin 7 PURPLE**
- Pin 5 SHIELD & GREEN**



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Adapter Cables



C-DIN-NARCO

DIN 8 to 7 Pin Amphenol Adapter with 5 ft. cable



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