
Syringe Pump Extension Cables



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Overview

Teledyne ISCO syringe pump systems consist of a controller including the user interface and up to 4 individual pump modules. The pump module is connected to the controller through a cable attached to each pumping module.

In some applications, it may be advantageous to locate the controller remotely from the pump module(s). For example, the pump modules may be in a controlled environment that is inconvenient for user entry. In these cases, if the attached cable is not long enough an extension cable may be used.

Cable requirements

The extension cable must meet the following requirements:

- The connectors must adhere to the DB-25 standard
- A male connector on one end, and a female connector on the opposite end.
- Connection wires must be 22 AWG (American Wire Gauge or .326 mm² minimum copper cross section area) or larger cross section (smaller AWG number)
- Wires are connected straight through; pin 1 connects to pin 1, pin 2 to pin 2, etc.
- Wires are individual, not twisted pairs
- Shielded cable
- Overall cable extension length may not exceed 15 m (50 feet) and can include no more than 2 connections (two 25 foot cables can be used, but not five 10 foot cables).
- Screw retainers to secure the cable connections are recommended.

Suggested Cable Source

Teledyne ISCO offers a 3 m (10 foot) extension cable, #681020210

Cobra Firing Systems offers a 15 meter DB25 Slat Cable, Heavy Duty (which uses 22 AWG wire). This will require a Female to Female DB25 Adapter also available from the same company. The part may be found at:

https://www.cobrafiringsystems.com/db25_15m

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Teledyne ISCO is continually improving its products and reserves the right to change product specifications, replacement parts, schematics, and instructions without notice.