

Note to Users

Current Rating for NI SH37F-37M Cables

The National Instruments SH37F-37M cables use bundled 26 AWG wire that has a maximum current rating of 2.0 A per line at 85 °C. Some devices that can be physically connected to this cable have current ratings that exceed this limitation.



Caution The SH37F-37M cables can be used with voltages up to 150 VAC/VDC. Some devices that can be physically connected to this cable are not rated for Hazardous Voltages (>30 V_{rms}, 42.4 V_{pk}, 60 VDC). The maximum voltage of the cable is limited by the rating of the device or 150 V, whichever is less. Refer to the device specifications for your product for maximum voltage ratings.



Caution When using this product with UL listed high-voltage PCI devices, the cable *must* be keyed for Hazardous Voltage (>30 V_{rms}, 42.4 V_{pk}, 60 VDC) using the 37-Pin High-Voltage Accessory Kit. This kit is provided with the PCI device or can be ordered separately for replacement (part number 779445A-01). Refer to the *37-Pin High-Voltage Accessory Safety Kit Installation Guide* provided in the kit for installation instructions.

Note to DIO Users

When using the NI SH37F-37M cable to connect to National Instruments 37-pin digital I/O devices, ensure that the device does not exceed the maximum current rating by evenly distributing the current among the VCC pins on the NI 6516 and NI 6518 devices, or among the GND pins on the NI 6517 and NI 6519 devices.

For more information about wiring, refer to the *Digital I/O Help for 6509/651x/6520/6521/6528 Devices*, available at ni.com/manuals.

Note to Compact FieldPoint Users

When using the NI SH37F-37M cable to connect to National Instruments Compact FieldPoint devices, ensure that the device does not exceed the maximum current rating of the cabling.

For information about using the SH37F-37M cable with National Instruments Compact FieldPoint devices, refer to the *Compact FieldPoint Accessories Operating Instructions*. To view this document, go to ni.com/info and type `rdcfao`.

Note to All Other Users

When using the NI SH37F-37M cable with other National Instruments devices, refer to the documentation included with the device to ensure that the device does not exceed the maximum current rating.

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