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SPECIFICATIONS

SH96-96-2 Cable

Français Deutsch 日本語 한국어 简体中文

ni.com/manuals

This document lists specifications for the SH96-96-2 shielded cable. These specifications are typical for the range of 0 °C to 55 °C unless otherwise stated. All specifications are subject to change without notice. Visit ni.com/manuals for the most current specifications and product documentation.

Hazardous Voltage When this symbol is marked on a product, it denotes a warning advising you to take precautions to avoid electrical shock.

Caution The protection provided by the SH96-96-2 can be impaired if it is used in a manner not described in this document.

Note Verify the accessory safety voltage to which you connect the cable by consulting the accessory specification document. If the accessory safety voltage is lower than the cable rating, use the accessory safety voltage rather than the cable rating.

Electrical

Max working voltage

Any pin to any pin ..... 60 VDC

Note Connect only voltages that are within the limits of the connected device.

Mechanical

Cable wire gauge ..... 28 AWG, twisted pairs 1 through 20
22 AWG, twisted pair 21
28 AWG, twisted pairs 22 through 24

For information regarding SH96-96-2 cable conductor pairings and wiring color codes refer to ni.com/info and enter Info Code sh96962.

NATIONAL INSTRUMENTS

Physical Requirements

Dimensions (available lengths)..... 1 m (3.3 ft)
3 m (9.8 ft)
5 m (16.4 ft)

Weights

- 1 meter ..... 1,187 g (42.2 oz)
- 3 meter ..... 2,040 g (72.6 oz)
- 5 meter ..... 2,894 g (102.1 oz)

I/O connector

- Male ..... 96-pin Type R DIN 41612/IEC 60603-2
- Female..... 96-pin Type C DIN 41612/IEC 60603-2

Caution Clean the hardware with a soft, nonmetallic brush. Make sure that the hardware is completely dry and free from contaminants before returning it to service.

Environmental Specifications

Maximum altitude..... 2,000 m (800 mbar)

Pollution Degree 2

Indoor use only

Operating Environment

Ambient temperature range ..... 0 °C to 55 °C
(Tested in accordance with IEC 60068-2-1 and IEC 60068-2-2. Meets MIL-PRF-28800F Class 3 low temperature limit and MIL-PRF-28800F Class 2 high temperature limit.)

Relative humidity range..... 10% to 90%, noncondensing
(Tested in accordance with IEC 60068-2-56.)

Storage Environment

Ambient temperature range ..... -40 °C to 71 °C
(Tested in accordance with IEC 60068-2-1 and IEC 60068-2-2. Meets MIL-PRF-28800F Class 3 limits.)

Relative humidity range..... 5% to 95%, noncondensing
(Tested in accordance with IEC 60068-2-56.)

Shock and Vibration

Operating shock ..... 30 g peak, half-sine, 11 ms pulse
(Tested in accordance with IEC 60068-2-27.
Meets MIL-PRF-28800F Class 2 limits.)

Random vibration

Operating ..... 5 Hz to 500 Hz, 0.3 g_{rms}

Non-operating ..... 5 Hz to 500 Hz, 2.4 g_{rms}
(Tested in accordance with IEC 60068-2-64.
Nonoperating test profile exceeds the
requirements of MIL-PRF-28800F, Class 3.)

Safety

This product meets the requirements of the following standards of safety for electrical equipment for measurement, control, and laboratory use:

- IEC 61010-1, EN 61010-1
- UL 61010-1, CSA 61010-1

Note For UL and other safety certifications, refer to the product label.

CE Compliance CE

This product meets the essential requirements of applicable European Directives as follows:

- 2006/95/EC; Low-Voltage Directive (safety)

Online Product Certification

Refer to the product Declaration of Conformity (DoC) for additional regulatory compliance information. To obtain product certifications and the DoC for this product, visit `ni.com/certification`, search by model number or product line, and click the appropriate link in the Certification column.

Environmental Management

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Waste Electrical and Electronic Equipment (WEEE)



EU Customers At the end of the product life cycle, all products *must* be sent to a WEEE recycling center. For more information about WEEE recycling centers, National Instruments WEEE initiatives, and compliance with WEEE Directive 2002/96/EC on Waste and Electronic Equipment, visit `ni.com/environment/weee`.

电子信息产品污染控制管理办法 （中国 RoHS）



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