

16925-30

30 ft Accelerometer Interconnect Cable

Bently Nevada 16925-30 is a 30 ft three-conductor shielded accelerometer interconnect cable. It connects a compatible accelerometer to its monitoring input.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada acceleration transducer acce

PART

16925-30

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Bently Nevada 16925-30 is a 30 ft three-conductor shielded accelerometer interconnect cable. It connects a compatible accelerometer to its monitoring input.

- 1

Carries accelerometer power, bias, and dynamic signal conductors
- 2

Connects the sensor plug to individual monitor terminals
- 3

Maintains a shielded signal route over a thirty-foot run
- 4

Supports fixed industrial routing between machinery and cabinet

SYSTEM COMPONENTS

- compatible Bently Nevada accelerometer
- monitor input terminals
- field cable supports
- approved shield termination

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330171-00-12-05-01-05	3300 XL proximity probe	Open product page
200150-09-CN	General-purpose accelerometer	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Cable construction	3-conductor shielded
Conductor size	22 AWG / 0.5 mm2
Sensor-end connector	3-socket plug

PARAMETER	VALUE
Monitor-end termination	Terminal lugs
Ordered length	30 ft
Approximate metric length	9.1 m

SYSTEM CONNECTION AND ACCEPTANCE RECORD

RECORD ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	compatible Bently Nevada accelerometer
Companion hardware	monitor input terminals
Field connection	field cable supports
Primary system function	Carries accelerometer power, bias, and dynamic signal conductors
Controlled acceptance duty	Turbine casing acceleration monitoring

TECHNICAL NOTE

Identify all three conductors and shield before replacement, support the 30 ft run, and verify continuity, insulation, sensor bias, polarity, and vibration response after reconnection.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Turbine casing acceleration monitoring

Carries accelerometer power, bias, and dynamic signal conductors

Pump bearing-housing vibration

Connects the sensor plug to individual monitor terminals

Compressor accelerometer connection

Maintains a shielded signal route over a thirty-foot run

Motor and gearbox condition monitoring

Supports fixed industrial routing between machinery and cabinet

PRODUCT PRECAUTIONS

- 1 Verify 16925-30 and the 30 ft length before routing.
- 2 Isolate the associated accelerometer input.
- 3 Inspect the three-socket plug, cable jacket, and terminal lugs.
- 4 Support the run so its weight cannot load the sensor connector.
- 5 Keep the shielded cable separated from high-current conductors.
- 6 Preserve conductor identity and the approved shield termination.
- 7 Check continuity and insulation before reconnecting the monitor.
- 8 Verify sensor bias and controlled vibration response before service.

ENGINEER FAQ

Q1 What should be checked if 16925-30 reports an unstable or incorrect value?

Check seating, supply, grounding, shielding, matched components, mechanical installation, and the signal path before changing configuration or replacing additional hardware.

Q3 What commissioning evidence should be retained for 16925-30?

Retain the full 16925-30 identity, as-left wiring and settings, measured functional-test results, final diagnostics, and authorization to return the affected equipment to service.

Q5 How should the field connections for 16925-30 be recorded before replacement?

Record terminal or connector identity, polarity, shield, cable tag, channel assignment, and the as-found diagnostic state before disconnecting 16925-30.

Q7 Which configuration check is essential when commissioning 16925-30?

Restore only the approved model-specific channel, range, address, scale, or interface settings and compare them with the physical installation before enabling the process function.

Q2 Can 16925-30 be replaced by a visually similar model without review?

No. Verify the complete part number, electrical execution, connector arrangement, companion hardware, and approved software or rack configuration.

Q4 Which installed hardware must be matched before fitting 16925-30?

Match the complete 16925-30 marking to compatible Bently Nevada accelerometer and monitor input terminals, then confirm the assigned Bently Nevada acceleration transducer accessories position and approved system configuration.

Q6 What isolation is required before installing 16925-30?

Place turbine casing acceleration monitoring in the approved maintenance state, isolate every applicable power, signal, and stored-energy source, and prove the work area safe.

Q8 How can an engineer function-test 16925-30 after installation?

Apply a controlled input, reference, or limited output appropriate to 30 ft accelerometer interconnect cable, observe the system indication and diagnostics, and confirm the intended process response.