

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada acceleration transducer accessories
Part number	16925-30
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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2

Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
Cable construction	3-conductor shielded
Conductor size	22 AWG / 0.5 mm2
Sensor-end connector	3-socket plug
Monitor-end termination	Terminal lugs
Ordered length	30 ft
Approximate metric length	9.1 m

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED 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

3

System Role and Architecture

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

FUNCTION 1

Carries accelerometer power, bias, and dynamic signal conductors

FUNCTION 2

Connects the sensor plug to individual monitor terminals

FUNCTION 3

Maintains a shielded signal route over a thirty-foot run

FUNCTION 4

Supports fixed industrial routing between machinery and cabinet

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
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

4

Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	16925-30 / 16925-30 recorded
Physical interface	compatible Bently Nevada accelerometer
Companion check	monitor input terminals
Functional proof	Carries accelerometer power, bias, and dynamic signal conductors
Application test	Turbine casing acceleration monitoring

5

Engineering 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.

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

MANUFACTURER SOURCE RECORD

330400 and 330425 Accelerometer Datasheet
141638

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