

84510-33

Armored Seismoprobe Interface Cable

Bently Nevada 84510-33 is a 33-foot armored interface cable for 9200 and 74712 Seismoprobe velocity transducers. It provides the shielded field connection between the transducer and monitor cabinet.

Manufacturer	Bently Nevada
Product family	9200 and 74712 Seismoprobe Systems
Part number	84510-33
Country of origin	USA
Source	9200 and 74712 Seismoprobe Velocity Transducers Datasheet — 141626 Rev. V

Product role

- 1

Carries a Seismoprobe velocity signal over a 33-foot field run
- 2

Protects the shielded conductors with integral armor
- 3

Mates to the transducer through a two-socket female connector
- 4

Terminates at the monitor cabinet with individual lugs

Document purpose

Technical review	Model identity and manufacturer-published values
Installation review	Mounting, connection and companion-hardware checks
Commissioning review	Controlled signal, diagnostic and functional response

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1. Technical specifications

The following values are transcribed only from the manufacturer records named in this document.

Cable construction	2-wire shielded
Conductor size	22 AWG (0.5 mm ²)
Mechanical protection	Armored
Transducer-end connector	2-socket female
Monitor-end termination	Terminal lugs
Ordered length	33 ft
Approximate metric length	10.1 m
Minimum orderable length	3 ft (0.9 m)
Maximum orderable length	70 ft (21 m)

Configuration identity checks

Complete model	84510-33
Manufacturer part	84510-33
Installed family	9200 and 74712 Seismoprobe Systems
Record authority	141626 Rev. V

2. System function and integration

Bently Nevada 84510-33 is a 33-foot armored interface cable for 9200 and 74712 Seismoprobe velocity transducers. It provides the shielded field connection between the transducer and monitor cabinet.

Compatible installation elements

Component 1	9200 or 74712 Seismoprobe
Component 2	assigned velocity-monitor input
Component 3	cabinet terminal strip
Component 4	armored field-cable supports

Engineered application matrix

Extended turbine sensor cable run	Carries a Seismoprobe velocity signal over a 33-foot field run
Compressor casing-velocity loop	Protects the shielded conductors with integral armor
Machine-train velocity monitoring	Mates to the transducer through a two-socket female connector
Protected plant-floor sensor routing	Terminates at the monitor cabinet with individual lugs

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3. Installation and commissioning controls

Record the existing 84510-33 conductor, shield and terminal assignments before removal; after routing, verify continuity, insulation, polarity and channel response.

- 1 Verify 84510-33 and its 33-foot length from the cable identification.
- 2 De-energize or isolate the assigned monitor input before terminal work.
- 3 Examine the armor, jacket and connector for mechanical or environmental damage.
- 4 Maintain supports and bend transitions along the longer field run.
- 5 Restore conductor polarity and shield termination exactly as recorded.
- 6 Prevent armor or drain wire from creating an unintended ground path.
- 7 Measure end-to-end continuity before reconnecting the Seismoprobe.
- 8 Prove the final velocity trend direction and alarm response.

Acceptance record

Identity	84510-33 recorded
Mounting / connection	9200 or 74712 Seismoprobe
Companion hardware	assigned velocity-monitor input
Functional duty	Extended turbine sensor cable run
As-left evidence	Connections, diagnostics and controlled response recorded

Return-to-service sequence

1	Confirm physical security and connector condition
2	Restore the documented channel or system configuration
3	Observe stable diagnostics before applying a controlled test
4	Record the final process response and release authorization

4. Engineer FAQ and source record

Which system components should be checked with 84510-33?	Confirm the installed 9200 or 74712 Seismoprobe, assigned velocity-monitor input and the assigned monitoring or connection point are the documented combination for 84510-33.
How should wiring or cabling for 84510-33 be recorded?	Record conductor identity, shield termination, connector orientation, cable route and the as-found diagnostic state before disconnecting 84510-33.
What installation control is important for 84510-33?	Use the model-specific mounting arrangement, protect mating surfaces and maintain the documented cable support and mechanical clearance for 84510-33.
How is 84510-33 checked during commissioning?	Apply the approved controlled test for extended turbine sensor cable run, verify polarity or direction where applicable, and compare the measured response with the configured channel.
Can parameters from a similar model be used for 84510-33?	No. Retain only values and configuration details that apply directly to the complete 84510-33 ordering code and installed system.
What maintenance evidence should be retained for 84510-33?	Retain the full 84510-33 identity, as-left mounting and connections, continuity or bias checks, diagnostics and the final functional-test result.
What should be verified before returning 84510-33 to service?	Confirm secure mounting, connector integrity, restored configuration, stable signal behavior and the intended response of the associated monitoring channel.
What must be matched before replacing 84510-33?	Match the complete 84510-33 marking, armored seismoprobe interface cable, installed mounting or connector execution and the approved equipment record before removal.

Manufacturer source identifiers

Document title	9200 and 74712 Seismoprobe Velocity Transducers Datasheet
Publication / revision	141626 Rev. V
Manufacturer	Bently Nevada / Baker Hughes

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