

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 name	Armored Seismoprobe Interface Cable
Product family	9200 and 74712 Seismoprobe Systems
Part number	84510-33
Country of origin	USA

Core system roles

- 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

Engineering note

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

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1. Technical data

Official manufacturer values for the complete product record are arranged below for engineering review.

Cable construction	2-wire shielded
Conductor size	22 AWG (0.5 mm2)
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 verification

Complete model	84510-33
Official product family	9200 and 74712 Seismoprobe Systems
Primary source	9200 and 74712 Seismoprobe Velocity Transducers Datasheet — 141626 Rev. V
Installation record	Physical marking and installed interfaces retained

Parameter authority	Only values directly assigned to the complete model are used
Identity authority	Physical marking and manufacturer ordering code
Change control	Installed arrangement retained before replacement
Acceptance authority	Approved site test and final diagnostic record

2. Functions, components and applications

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

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

Related Apter Power product pages

84510-33	Armored Seismoprobe interface cable	Open product page

Integration statement

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.

3. Precautions and return-to-service evidence

- 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.

Commissioning evidence matrix

Identity	Full 84510-33 marking confirmed
Installed component	9200 or 74712 Seismoprobe
Paired hardware	assigned velocity-monitor input
Primary duty	Extended turbine sensor cable run
Functional test	Carries a Seismoprobe velocity signal over a 33-foot field run
Release record	Diagnostics and as-left response retained

Extended turbine sensor cable run	Verify the carries a seismoprobe velocity signal over a 33-foot field run response under controlled conditions
Compressor casing-velocity loop	Verify the protects the shielded conductors with integral armor response under controlled conditions
Machine-train velocity monitoring	Verify the mates to the transducer through a two-socket female connector response under controlled conditions
Protected plant-floor sensor routing	Verify the terminates at the monitor cabinet with individual lugs response under controlled conditions

4. Engineer FAQ and controlled 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.

Source identifiers

Manufacturer	Bently Nevada / Baker Hughes
Official document	9200 and 74712 Seismoprobe Velocity Transducers Datasheet
Publication / revision	141626 Rev. V
Applied product	84510-33