

84510-30

Armored Seismoprobe Interface Cable

Bently Nevada 84510-30 is a 30-foot armored interface cable for 9200 and 74712 Seismoprobe velocity transducers. It carries the two-wire velocity signal to the associated monitor input.

Manufacturer	Bently Nevada
Product name	Armored Seismoprobe Interface Cable
Product family	9200 and 74712 Seismoprobe Systems
Part number	84510-30
Country of origin	USA

Core system roles

- 1

Connects a two-wire Seismoprobe transducer to its monitoring input
- 2

Provides shielded signal conductors within protective armor
- 3

Uses a two-socket female transducer connector
- 4

Provides lug terminations for cabinet wiring

Engineering note

Identify both conductors and shield before replacing 84510-30, support the armored run and prove signal polarity and velocity response at the assigned channel.

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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	30 ft
Approximate metric length	9.1 m
Minimum orderable length	3 ft (0.9 m)
Maximum orderable length	70 ft (21 m)

Configuration verification

Complete model	84510-30
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	compatible velocity-monitor input
Interface 3	cabinet terminal points
Interface 4	field cable supports

Turbine Seismoprobe connection	Connects a two-wire Seismoprobe transducer to its monitoring input
Compressor casing-velocity cabling	Provides shielded signal conductors within protective armor
Pump velocity-monitoring loop	Uses a two-socket female transducer connector
Armored rotating-equipment signal route	Provides lug terminations for cabinet wiring

Related Apter Power product pages

84510-33	Armored Seismoprobe interface cable	Open product page

Integration statement

Bently Nevada 84510-30 is a 30-foot armored interface cable for 9200 and 74712 Seismoprobe velocity transducers. It carries the two-wire velocity signal to the associated monitor input.

3. Precautions and return-to-service evidence

- 1

Confirm the 84510-30 length and two-socket connector before installation.
- 2

Isolate the associated velocity-monitor input before removing lugs.
- 3

Inspect cable armor and connector sealing for physical damage.
- 4

Support the 30-foot run without applying load to the Seismoprobe.
- 5

Preserve conductor identity and the approved shield-grounding arrangement.
- 6

Keep the signal path separated from high-current conductors.
- 7

Check continuity and insulation before reconnecting the channel.
- 8

Verify polarity and controlled velocity response before service.

Commissioning evidence matrix

Identity	Full 84510-30 marking confirmed
Installed component	9200 or 74712 Seismoprobe
Paired hardware	compatible velocity-monitor input
Primary duty	Turbine Seismoprobe connection
Functional test	Connects a two-wire Seismoprobe transducer to its monitoring input
Release record	Diagnostics and as-left response retained

Turbine Seismoprobe connection	Verify the connects a two-wire seismoprobe transducer to its monitoring input response under controlled conditions
Compressor casing-velocity cabling	Verify the provides shielded signal conductors within protective armor response under controlled conditions
Pump velocity-monitoring loop	Verify the uses a two-socket female transducer connector response under controlled conditions
Armored rotating-equipment signal route	Verify the provides lug terminations for cabinet wiring response under controlled conditions

4. Engineer FAQ and controlled source record

What must be matched before replacing 84510-30?	Match the complete 84510-30 marking, armored seismoprobe interface cable, installed mounting or connector execution and the approved equipment record before removal.
Which system components should be checked with 84510-30?	Confirm the installed 9200 or 74712 Seismoprobe, compatible velocity-monitor input and the assigned monitoring or connection point are the documented combination for 84510-30.
How should wiring or cabling for 84510-30 be recorded?	Record conductor identity, shield termination, connector orientation, cable route and the as-found diagnostic state before disconnecting 84510-30.
What installation control is important for 84510-30?	Use the model-specific mounting arrangement, protect mating surfaces and maintain the documented cable support and mechanical clearance for 84510-30.

How is 84510-30 checked during commissioning?	Apply the approved controlled test for turbine seismoprobe connection, verify polarity or direction where applicable, and compare the measured response with the configured channel.
Can parameters from a similar model be used for 84510-30?	No. Retain only values and configuration details that apply directly to the complete 84510-30 ordering code and installed system.
What maintenance evidence should be retained for 84510-30?	Retain the full 84510-30 identity, as-left mounting and connections, continuity or bias checks, diagnostics and the final functional-test result.
What should be verified before returning 84510-30 to service?	Confirm secure mounting, connector integrity, restored configuration, stable signal behavior and the intended response of the associated monitoring channel.

Source identifiers

Manufacturer	Bently Nevada / Baker Hughes
Official document	9200 and 74712 Seismoprobe Velocity Transducers Datasheet
Publication / revision	141626 Rev. V
Applied product	84510-30