Bently Nevada 84661-33

Two-Conductor Armored Seismic Interconnect Cable

Bently Nevada 84661-33 is a 33-foot armored two-conductor seismic cable with a straight two-socket female connector and terminal lugs.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	84661-33
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	28cm x 28cm x 5cm
Country of Origin	USA
Manufacturer	Bently Nevada
Product Category	Machinery Monitoring Systems
Spare Part Number	84661-33
Weight	0.88 kg
Tariff code	8537101190

Buyer information / Overview

For Bently Nevada 84661-33, this 33-foot armored two-wire interconnect serves a longer seismic route; its shield and receiving-circuit burden must be assessed without importing proximity-cable calibration rules.

Extended seismic connection
Carries the sensor circuit over the selected longer field route.

Twisted shielded pair
Retains the documented two-conductor signal construction beneath armor.

Separate landing and mating ends
Supports a straight female sensor connection and identified receiver terminations.

The -33 selection is 33 ft, exactly 10.0584 m by conversion. This is a signal interconnect length, not a five- or nine-metre Proximitor calibration selection. The armored run contains two twisted, shielded 22 AWG conductors. Armor inspection and electrical conductor/shield checks answer different acceptance questions.

The 22 AWG twisted shielded pair terminates in a straight two-socket female connector and terminal lugs. Plan route support and shield termination from the connected sensor/receiver drawing, especially across cabinet entries and long supported runs. The 84661 family permits 3 to 96 ft selections. The 33 ft identity defines the supplied assembly, while the connected instrument governs acceptable total circuit burden and signal performance.

84661 is not the selected right-angle cable for the 21128 housing. A longer route does not alter that connector-envelope restriction or establish the sensor’s sensitivity, bandwidth or environmental rating. A two-socket connector is not evidence that an unarmored 9571 or right-angle 89477 is equivalent. Their construction and housing compatibility are explicit selection differences.

Controller platform reference: Two-contact seismic interconnect. Follow the connected instrument diagram.

Technical Specifications

Selected cable length	33 ft / 10.0584 m
Conductor size	22 AWG
Signal conductors	2
Connector sockets	2

Technical source: Bently Nevada 330500 Velomitor Piezo-velocity Sensor Datasheet 141632 Rev. V. Construction applies to the 84661 interconnect; the suffix selects feet. Metre values are exact unit conversions. Connected instrument excitation, sensitivity, measuring range and temperature ratings are separate from cable construction.
Apter Power product summary. Original technical pages and a field guide are available in Downloads.

Applications / Compatibility

Use the 33 ft armored two-conductor cable in the documented two-contact seismic circuit, from its straight female connector to the receiving terminal-lug arrangement. The selected length is 10.0584 m by exact conversion, not a proximity-driver calibration length.

The sensor and receiving electronics determine signal conditioning and circuit limits. Review the extended physical route, shield landing and connector envelope together; this straight 84661 cable is not the specified arrangement for the 21128 housing.

Long sensor-to-receiver run

Follow the complete run from sensor connector to receiving terminals, identifying supports and exposed transitions along the 33 ft path. Record actual endpoints and usable reach rather than selecting a replacement from the outer package dimensions or a shorter local segment.

Two-wire terminal-lug interface

The 33 ft assembly connects a two-socket instrument interface to terminal lugs using twisted, shielded 22 AWG conductors. The receiving instrument determines excitation and input requirements. Cable length alone supplies no independent voltage rating, measurement range or guarantee that a particular receiver burden is acceptable.

Straight-plug housing boundary

The manufacturer excludes 84661 from the 21128 Velocity Transducer Housing arrangement. For that housing it specifies the right-angle 89477 cable family, which also uses a different 18 AWG conductor construction. A long enough run and the same contact count do not overcome this enclosure-interface difference.

Instrument cable rather than probe extension

The 33 ft designation is the physical length of a seismic-instrument interconnect. It is not a 330130 or 330930 calibrated proximity extension and is not added to an eddy-current Proximitor length. Retain the instrument connector, two-conductor circuit and separate shield termination as the governing interfaces.

Product Precautions

Prepare Bently Nevada 84661-33 for its configured installation using these product-specific checks.

Keep the straight connector

Check access space and avoid 21128 substitution.

Trace both conductors

Do not borrow a three-contact cable schedule.

Record shield grounding

Follow the instrument drawing across the complete run.

Support the longer route

Prevent suspended cable weight at the sensor connector.

Inspect all entry points

Check armor crushing and lug strain at supports and cabinets.

Verify the whole circuit

Acceptance includes the sensor and receiver response, not cable continuity alone.

Lifecycle Status

The current factory lifecycle phase of 84661-33 is unconfirmed.

Retain the 33-foot straight two-contact armored assembly; a different conductor count or housing-specific right-angle cable is a separate selection.

The offered assembly is one 33-foot two-conductor armored interconnect; sensor, mounting housing and receiver separately listed. Availability and dispatch for this exact supply scope are confirmed separately in the quotation.

Available Unit Details

Offered reference	Bently Nevada 84661-33.
Identity check	Request the complete 84661-33 marking, full cable route/coil and both connector and lug ends.
Physical review	Inspect armor along the longer assembly, connector sealing and terminal-lug identification or damage.
Included items	Confirm one 33-foot two-conductor armored interconnect; sensor, mounting housing and receiver separately listed in the quotation.

Request available-unit photos and details: sales13@apterpower.com

Technical notes

Long-run review	Receiver burden and signal behavior belong to the connected circuit, not cable identity alone.
Shield continuity	A long armored route still requires its documented shield termination.
Connector envelope	The straight interface remains different from a housing-specific right-angle arrangement.

Alternative Names

Bently Nevada 84661-33; 84661 33

Frequently Asked Questions (FAQ)

1. Does the 33-foot length of 84661-33 need to match a Proximitor’s calibrated length?

No. This seismic interconnect is a different circuit class. Review the connected sensor and receiver rather than applying proximity-extension sums.

2. Why should receiver burden be reviewed when installing 84661-33?

The cable is part of the actual circuit, but no standalone loop rating is supplied here. Confirm excitation, receiving input and route under the instrument’s documented conditions.

3. Can a normal end-to-end signal-path test on 84661-33 prove the shield is correctly grounded?

No. Shield continuity and its intended grounding destination are distinct checks. Trace the installation drawing and actual terminations.

4. What should be checked if noise appears only after 84661-33 is routed beside other services?

Review the actual route, shield termination and connected instrument grounding before assigning the disturbance to machinery vibration.

5. Can 84661-33 be used inside a 21128 housing if the cable is long enough?

Length does not resolve connector geometry. The manufacturer specifies a separate right-angle cable arrangement for that housing.

6. How can damage at an intermediate support on 84661-33 be evaluated?

Isolate and inspect the affected armor and underlying cable, then test individual paths and insulation using the approved method.

7. Should the sensor connector carry the weight of 84661-33 during installation?

No. Provide independent route supports and strain relief before mating the connector so the longer armored run cannot pull on it.

8. What distinguishes cable acceptance from channel acceptance for 84661-33?

Cable acceptance covers identified paths, insulation and mechanical condition; channel acceptance additionally verifies the intended sensor/receiver response under recorded conditions.

Downloads

For 84661-33, the original technical reference supports construction and operating-limit checks. The separate field guide develops 33-foot armored seismic route, shield and receiver review.

84661-33 Original Technical Reference Excerpt	Original manufacturer technical pages covering the applicable construction, limits and system relationships. PDF · 1 pages · 818.6 KB.

84661-33 Installation & Commissioning Guide	33-Foot Armored Seismic Route, Shield and Receiver Review. Inspect the longer field route as an installed circuit rather than an isolated length of armored cable. PDF · 2 pages · 92.7 KB.

The technical reference retains selected original manufacturer pages. The separate installation guide supports field verification for 84661-33.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include 84661-33 and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered 84661-33 reference with the installed equipment and applicable Bently Nevada documentation.

Service and support

Dispatch Planning	Confirm stock and lead time with our team.
Dedicated Manager	Personalized one-to-one VIP service
ISO 9001:2015 Certified	Trusted quality management
Warranty Policy	Review the applicable warranty coverage and claim process.
Return Notice	Check the return process and obtain approval before sending an item back.
Shipping Method	Review shipping arrangements, transit estimates and delivery responsibilities.
Parts Availability	Browse stock listings and confirm current availability with our team.
How to order	See how to submit an enquiry, review a quotation and confirm an order.

Discuss your requirement

Send the full marking, label photos, quantity and required date. Our team will review the available sourcing options with you.

WhatsApp / Phone: +86 18030235313 | sales13@apterpower.com

Related product references

Separate supply references; listing does not establish interchangeability.

Bently Nevada 330500-03-00	Piezo-velocity sensor
Bently Nevada 16710-21	Three-Conductor Armored Seismic Interconnect Cable
Bently Nevada 84661-10	Two-Conductor Armored Seismic Interconnect Cable
Bently Nevada 330101-00-12-10-01-05	8 mm Proximity Probe



Discuss 84661-33 and the installed application with Apter Power. sales13@apterpower.com | +86 18030235313