

84661-33

Armored Accelerometer Cable

Bently Nevada 84661-33 is an armored two-conductor cable for supported accelerometer-to-monitor connections. It uses a moisture-resistant sensor connector and terminal-lug monitor termination.

BRAND	Bently Nevada	MODEL	84661-33
PRODUCT	Armored Accelerometer Cable	FAMILY	Industrial automation
OFFICIAL SOURCE	Bently Nevada General Purpose Accelerometers Datasheet	RECORD	Baker Hughes / Bently Nevada publication 161M1037

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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Product Overview and Applications

SYSTEM FUNCTION

Bently Nevada 84661-33 is an armored two-conductor cable for supported accelerometer-to-monitor connections. It uses a moisture-resistant sensor connector and terminal-lug monitor termination.

FUNCTION 1

Two twisted 22 AWG conductors

FUNCTION 2

Shielded armored construction

FUNCTION 3

Moisture-resistant sensor connector

FUNCTION 4

Terminal-lug monitor termination

APPLICATION	ENGINEERING CONTEXT
Accelerometer wiring	Connects a supported accelerometer to compatible monitoring hardware.
Sensor replacement	Preserves connector keying and terminal assignments during maintenance.
Armored cable routing	Provides mechanical protection for the approved signal route.
Channel verification	Supports continuity and channel-response checks before return to service.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Complete model	84661-33
Cable family	84661-NN armored monitor cable
Conductors	Two twisted 22 AWG conductors
Shielding	Shielded construction
Mechanical protection	Armored cable
Sensor-end termination	Moisture-resistant two-socket female connector
Monitor-end termination	Terminal lugs
Application	Supported accelerometer-to-monitor connection
Excluded housing	Not for use with 21128 Velocity Transducer Housing
Exact suffix control	33 retained from the supplied identity

Acceptance Path

1 IDENTITY

The complete 84661-33 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete 84661-33 marking.	What is Bently Nevada 84661-33?	It is an 84661-series armored two-conductor sensor cable for supported accelerometer installations.
2	Do not use this cable with the 21128 housing.		
3	Inspect the two-socket connector and sealing surfaces.	Which conductors are documented for Bently Nevada 84661-33?	The manufacturer identifies two twisted, shielded 22 AWG conductors.
4	Label terminal-lug assignments before removal.		
5	Support the armor independently of the connector.	How is Bently Nevada 84661-33 terminated?	It uses a moisture-resistant two-socket female connector at the sensor end and terminal lugs at the monitor end.
6	Preserve the documented shield termination.		
7	Protect the cable from crushing, twisting and unsupported pull.	Is Bently Nevada 84661-33 armored?	Yes. The 84661 family is the armored version of the documented monitor cable.
8	Verify continuity, polarity and channel response before release.		

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 129957-085-310-05	View Bently Nevada 129957-085-310-05
Bently Nevada 130938-04-10-01	View Bently Nevada 130938-04-10-01
Bently Nevada 143493-00-080-080-70-00	View Bently Nevada 143493-00-080-080-70-00
Bently Nevada 146054-010-20-02-05	View Bently Nevada 146054-010-20-02-05
Bently Nevada 146054-08-05-02-05	View Bently Nevada 146054-08-05-02-05
Bently Nevada 146054-12-05-02-05	View Bently Nevada 146054-12-05-02-05

FAQ, Related Products and Sources

QUESTION	ANSWER
Where is Bently Nevada 84661-33 used?	It connects supported general-purpose accelerometers to compatible monitoring hardware.
Which housing restriction applies to Bently Nevada 84661-33?	The manufacturer states that this cable family is not for use with the 21128 Velocity Transducer Housing.
What installation checks apply to Bently Nevada 84661-33?	Inspect connector keying, armor support, shield continuity, terminal-lug assignments, routing and strain relief.
What confirms commissioning of Bently Nevada 84661-33?	Continuity, shield treatment, polarity and the connected accelerometer channel response must pass the controlled test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 146054-14-10-02-00	View Bently Nevada 146054-14-10-02-00
Bently Nevada 148722-01	View Bently Nevada 148722-01
Bently Nevada 16710-08	View Bently Nevada 16710-08
Bently Nevada 16710-17	View Bently Nevada 16710-17
Bently Nevada 168209-0317-127-90-05-01	View Bently Nevada 168209-0317-127-90-05-01
Bently Nevada 16925-20	View Bently Nevada 16925-20

MANUFACTURER SOURCE RECORDS

Bently Nevada General Purpose Accelerometers Datasheet - Baker Hughes / Bently Nevada publication 161M1037

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