

16710-12

12 ft Armored Accelerometer Interconnect Cable

Bently Nevada 16710-12 is a 12 ft armored interconnect cable with three shielded 22 AWG conductors. It connects the compatible acceleration or seismic sensing device to terminal-based monitoring wiring while protecting the routed signal cable.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada seismic and acceleration measurement systems
Part number	16710-12
Product role	Carries the sensor connection to terminal-based field wiring
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Match the three-socket plug to the documented Bently Nevada sensor and the terminal lugs to the approved field wiring. Protect the armor and shield, then verify continuity, polarity and channel response.

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16710-12

Technical Specifications

Technical values below are limited to the named Bently Nevada product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Part number	16710-12	Conductor size	22 AWG (0.5 mm2)
Product type	Standard armored interconnect cable	Cable construction	Shielded, armored
Cable length	12 ft	Sensor-end connection	3-socket plug
Approximate length	3.6 m	Field-end connection	Terminal lugs
Conductor count	3	Ordering increment	1 ft (0.3 m)

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Bently Nevada seismic and acceleration measurement systems
Primary system role	Carries the sensor connection to terminal-based field wiring
Connection boundary	Match the three-socket plug to the documented Bently Nevada sensor and the terminal lugs to the approved field wiring. Protect the armor and shield, then verify continuity, polarity and channel response.
Controlled acceptance duty	High-temperature acceleration-system wiring

ENGINEERING BOUNDARY

Confirm 16710-12, the twelve-foot routing requirement, three-socket connector, terminal-lug assignments, shield and armor condition, grounding and controlled channel-response results before commissioning.

Pre-Installation Checks

1	Confirm the complete 16710-12 marking and the twelve-foot cable-length code.	2	Place the associated machinery-monitoring channel in the approved maintenance state.
3	Isolate the connected circuit and use ESD-safe handling at the sensor and monitoring terminals.	4	Record the three-socket plug orientation, terminal-lug identifiers and shield termination before removal.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	16710-12
Installed host	Bently Nevada seismic and acceleration measurement systems
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Bently Nevada 16710-12 is a 12 ft armored interconnect cable with three shielded 22 AWG conductors. It connects the compatible acceleration or seismic sensing device to terminal-based monitoring wiring while protecting the routed signal cable.

FUNCTION 1
Carries the sensor connection to terminal-based field wiring

FUNCTION 2
Protects the routed signal path with an external armored construction

FUNCTION 3
Provides preterminated interfaces at the sensor and panel ends

FUNCTION 4
Supports length-coded routing for an engineered machinery-monitoring installation

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Bently Nevada seismic and acceleration measurement systems
2	Standard armored interconnect cable
3	High-temperature acceleration-system wiring
4	Match the three-socket plug to the documented Bently Nevada sensor and the terminal lugs to the approved field wiring. Protect the armor and shield, then verify continuity, polarity and channel response.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada seismic and acceleration measurement systems
Interface role	Carries the sensor connection to terminal-based field wiring
Field / power context	The cable connects the compatible Bently Nevada sensing device to terminal-based monitoring wiring while preserving the recorded signal path and channel pairing.
Commissioning evidence	Verify continuity, baseline condition, channel response and alarm action before returning the machine to service.

Installation and Connection Checks

- 1

Inspect the armor, cable jacket, plug contacts and terminal lugs for mechanical damage or contamination.
- 2

Route the replacement without crushing, abrasion, sharp bends or tensile loading.
- 3

Restore the documented shield, grounding, polarity and monitoring-channel configuration.
- 4

Verify continuity, baseline condition, channel response and alarm action before returning the machine to service.

MANUFACTURER SOURCE RECORD

330450 High Temperature Acceleration System Datasheet
Bently Nevada publication 169885, Revision H

Applications and Engineering Context

High-temperature acceleration-system wiring

Connects the compatible field sensing arrangement to remote terminal wiring in a documented 330450 installation.

Seismic transmitter interconnection

Provides the armored cable option identified in the 177230 transmitter ordering information.

Gearbox casing-vibration routing

Protects the signal cable between a compatible casing sensor and the monitoring termination.

Machinery-panel cable replacement

Restores a recorded twelve-foot connection without changing the approved sensor and monitoring-channel pairing.

TECHNICAL NOTE

Match the three-socket plug to the documented Bently Nevada sensor and the terminal lugs to the approved field wiring. Protect the armor and shield, then verify continuity, polarity and channel response.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	16710-12 recorded
Host / carrier	Bently Nevada seismic and acceleration measurement systems
Physical interface	Carries the sensor connection to terminal-based field wiring
Configuration	Restore the documented shield, grounding, polarity and monitoring-channel configuration.
Functional proof	Verify continuity, baseline condition, channel response and alarm action before returning the machine to service.

IMPORTANT NOTICE

Confirm 16710-12, the twelve-foot routing requirement, three-socket connector, terminal-lug assignments, shield and armor condition, grounding and controlled channel-response results before commissioning.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	16710-12
Approved role	High-temperature acceleration-system wiring
Final validation	Verify continuity, baseline condition, channel response and alarm action before returning the machine to service.

Engineering Precautions

- 1

Confirm the complete 16710-12 marking and the twelve-foot cable-length code.
- 2

Place the associated machinery-monitoring channel in the approved maintenance state.
- 3

Isolate the connected circuit and use ESD-safe handling at the sensor and monitoring terminals.
- 4

Record the three-socket plug orientation, terminal-lug identifiers and shield termination before removal.
- 5

Inspect the armor, cable jacket, plug contacts and terminal lugs for mechanical damage or contamination.
- 6

Route the replacement without crushing, abrasion, sharp bends or tensile loading.
- 7

Restore the documented shield, grounding, polarity and monitoring-channel configuration.
- 8

Verify continuity, baseline condition, channel response and alarm action before returning the machine to service.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
16710-33	Bently Nevada armored cable	View 16710-33 page
16710-13	Bently Nevada armored cable	View 16710-13 page
16710-50	Bently Nevada armored cable	View 16710-50 page
16925-20	Bently Nevada interconnect cable	View 16925-20 page
16925-60	Bently Nevada interconnect cable	View 16925-60 page
16925-66	Bently Nevada interconnect cable	View 16925-66 page
330400-02-CN	Bently Nevada accelerometer	View 330400-02-CN page
330450-80-00	Bently Nevada acceleration system	View 330450-80-00 page

MANUFACTURER SOURCE RECORD

330450 High Temperature Acceleration System Datasheet
Bently Nevada publication 169885, Revision H

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