Bently Nevada 84661-16

Complete Product Information

Bently Nevada 84661-16 is a 16 ft armored interconnection cable for 9200 and 74712 velocity-transducer signal paths.

01 Product identity and verified data

Complete model	84661-16
Product type	Armored Seismoprobe interconnection cable
Manufacturer	Bently Nevada
Technical source	Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers Datasheet, 141626 Rev. V
Cable function	Velocity-transducer interconnection
Selected length	16 ft
Conductor count	2 conductors
Conductor size	22 AWG (0.5 mm2)
Cable construction	Twisted, shielded and armored
Transducer connector	2-socket moisture-resistant female connector
Monitor end	Terminal lugs
Cable temperature	-50 to +120 deg C

Engineering purpose

Bently Nevada 84661-16 is a 16 ft armored interconnection cable for 9200 and 74712 velocity-transducer signal paths.

Selected order-code snapshot

Selected cable	16 ft armored velocity-transducer interconnect.
Signal construction	2-conductor twisted shielded 22 AWG cable.
Termination	2-socket moisture-resistant female connector to terminal lugs.

02 Technical capability and engineering overview

Orderable length range	3 to 99 ft
Length increment	1 ft
Supported transducers	9200 and 74712 Seismoprobe
Receiving equipment	Monitor or vibration data collector

Evidence boundary

Order-code values apply to the selected part. Published system performance applies only to the complete matched chain under the stated reference conditions.

Engineering overview

The 16 ft selection carries the low-level velocity signal from a 9200 or 74712 Seismoprobe to a compatible monitor or vibration data collector. Its length and termination must match the installed channel record.

The cable uses a twisted shielded 22 AWG pair with armor, a two-socket moisture-resistant female connector at the transducer end and terminal lugs at the receiving end. Preserve conductor identity and shield termination during replacement.

Cable acceptance is an end-to-end channel task: inspect the connector, route and armor, prove conductor continuity with the channel isolated, then compare the returned monitor response with the established machine baseline.

Application map

Installed signal path

Connect a 9200 or 74712 Seismoprobe to its assigned velocity-monitoring input.

Condition-monitoring service

Use the cable only with the documented transducer and monitor or conditioner family assigned to the machine channel.

Maintenance replacement

Match conductor count, connector, length, armor and routing before disturbing the installed cable.

Channel acceptance

Prove continuity, insulation condition and returned channel response against the approved machine baseline.

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 84661-16 and the documented 9200 and 74712 Seismoprobe velocity transducer cabling context only.
Interface boundary	Connector, terminal, bus, cable and companion-device assignments must match the installed drawing.
Electrical boundary	Use exact-model values only; system-level ratings remain conditional on the complete installed configuration.
Configuration boundary	Switches, jumpers, addresses, firmware and project settings must be reconciled before energization.
Diagnostic boundary	Interpret indicators and fault states together with measured inputs, outputs and host-system status.
Acceptance rule	Use the approved system baseline and maintenance procedure for the final as-left decision.

Installed-system context

The cable links the assigned Seismoprobe to a monitor or vibration data collector; conductor mapping, shield termination and channel configuration govern application.

04 Lifecycle, offered scope and related references

Lifecycle status

Exact-model status	A separate manufacturing or support phase is not assigned to the complete 84661-16 order identity.

Installed-family context	Service planning must preserve the documented 9200 and 74712 Seismoprobe velocity transducer cabling relationship for this installed channel.
Replacement boundary	A different length, connector or conductor construction requires a fresh wiring, routing and channel review.
Supply boundary	Apter Power availability is confirmed independently from the manufacturer lifecycle phase.

Available unit details

Offered reference	Bently Nevada 84661-16, 16 ft armored Seismoprobe interconnection cable.
Identity check	Confirm selected length, 2-socket connector, terminal-lug end and armored 22 AWG construction.
Included items	One interconnection cable; velocity transducer, monitor, collector and mounting hardware are separate unless itemized.

Source and applicability record

Verified source	Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers Datasheet, 141626 Rev. V
Applicability boundary	Order-code values apply to the selected part. Published system performance applies only to the complete matched chain under the stated reference conditions.
Product family	9200 and 74712 Seismoprobe velocity transducer cabling

Additional related product references

Related product	Bently Nevada 330500-00-01
Related product	Bently Nevada 330980-70-CN
Related product	Bently Nevada 330930-040-03-00
Related product	Bently Nevada 84661-96

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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