Bently Nevada 16710-99

Complete Product Information

Bently Nevada 16710-99 is a 99 ft armored three-conductor interconnection cable for accelerometer monitoring channels.

01 Product identity and verified data

Complete model	16710-99
Product type	Armored accelerometer interconnection cable
Manufacturer	Bently Nevada
Technical source	Bently Nevada 330450 High Temperature Acceleration System Datasheet, 169885 Rev. H
Cable function	Accelerometer interconnection
Selected length	99 ft
Conductor count	3 conductors
Conductor size	22 AWG (0.5 mm2)
Cable construction	Shielded and armored
Transducer connector	3-socket plug
Monitor end	Terminal lugs
Armor material	Flexible stainless steel

Engineering purpose

Bently Nevada 16710-99 is a 99 ft armored three-conductor interconnection cable for accelerometer monitoring channels.

Selected order-code snapshot

Selected cable	99 ft armored accelerometer interconnect.
Signal construction	3-conductor shielded 22 AWG cable in flexible stainless-steel armor.
Termination	3-socket plug to terminal lugs; A/B/C and shield conductors identified by color.

02 Technical capability and engineering overview

Approximate armored diameter	7 mm shown in the wiring figure
Conductor A	White
Conductor B	Red
Conductor C	Black

Shield lead	Green
Orderable length range	3 to 99 ft
Length increment	1 ft
Supported sensor context	330400/330425 accelerometers and 330450 system

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 99 ft cable carries accelerometer power and signal conductors between the field sensor and the receiving monitor or signal conditioner in a 330450 high-temperature acceleration system. Length and termination must match the installed channel drawing.

The three 22 AWG conductors are shielded and protected by flexible stainless-steel armor. The wiring figure identifies A white, B red, C black and a green shield lead; preserve this mapping and the installed shield termination during replacement.

Acceptance combines cable and channel evidence: inspect the three-socket plug, route and armor, prove conductor continuity with the channel isolated, then verify the returned accelerometer output and monitor response against the established baseline.

Application map

Installed signal path

Connect the documented accelerometer to its assigned high-temperature acceleration-system 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 16710-99 and the documented 330450 high-temperature acceleration system 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 carries sensor power and signal conductors between the accelerometer and assigned monitoring electronics; conductor mapping and shield termination 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 16710-99 order identity.
Installed-family context	Service planning must preserve the documented 330450 high-temperature acceleration system cabling relationship for this installed channel.
Replacement boundary	A different conductor count, length, connector or armor construction requires a fresh wiring and channel review.
Supply boundary	Apter Power availability is confirmed independently from the manufacturer lifecycle phase.

Available unit details

Offered reference	Bently Nevada 16710-99, 99 ft armored three-conductor accelerometer cable.
Identity check	Confirm 3-socket plug, terminal-lug end, conductor colors, shield and flexible armor.
Included items	One cable; accelerometer, signal conditioner or monitor and mounting hardware are separate unless itemized.

Source and applicability record

Verified source	Bently Nevada 330450 High Temperature Acceleration System Datasheet, 169885 Rev. H
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	330450 high-temperature acceleration system cabling

Additional related product references

Related product	Bently Nevada 84661-96
Related product	Bently Nevada 330102-00-28-10-02-05
Related product	Bently Nevada 330104-00-16-10-02-00
Related product	Bently Nevada 330500-00-01

Engineering contact

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