Bently Nevada 16710-35

Complete Product Information

Bently Nevada 16710-35 is a 35 ft armored interconnection cable for a 177230 Seismic Transmitter loop.

01 Product identity and verified data

Complete model	16710-35
Product type	Armored seismic-transmitter interconnection cable
Manufacturer	Bently Nevada
Technical source	Bently Nevada 177230 Seismic Transmitter Datasheet, 177232 Rev. U
Cable function	177230 Seismic Transmitter interconnection
Selected length	35 ft (approximately 10.7 m)
Cable construction	With armor
Orderable length range	3 to 99 ft
Length increment	1 ft
Companion transmitter output	4 to 20 mA loop powered
Companion range options	0 to 12.7, 25.4 or 50.8 mm/s
Companion frequency options	10 Hz to 1 kHz RMS or 3 Hz to 1 kHz peak

Engineering purpose

Bently Nevada 16710-35 is a 35 ft armored interconnection cable for a 177230 Seismic Transmitter loop.

Selected order-code snapshot

Selected cable	35 ft armored interconnect for the 177230 Seismic Transmitter.
Ordering range	Custom lengths from 3 to 99 ft in 1 ft increments.
Signal context	Carries the loop-powered transmitter connection to the assigned PLC, DCS or SCADA input.

02 Technical capability and engineering overview

Receiving systems	PLC, DCS or SCADA analog input
Identity boundary	Internal conductor and termination details must be verified from the delivered cable or approved drawing
Continuity boundary	Test only with the loop isolated
Acceptance check	Returned loop current and raw vibration signal compared with the machine baseline

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 35 ft selection is an armored interconnect cable ordered for a 177230 Seismic Transmitter loop. Its length and routing must agree with the installed cable schedule and receiving input assignment.

The manufacturer ordering table identifies 16710 as the armored cable family but does not restate internal conductor colors or end terminations. Preserve the delivered construction exactly and verify both ends against the approved wiring drawing before removal.

Acceptance is an end-to-end loop task: inspect the armor and terminations, prove continuity with the loop isolated, then compare the returned 4 to 20 mA indication and raw vibration signal with the established machine baseline.

Application map

Installed signal path

Connect the documented 177230 Seismic Transmitter to its assigned PLC, DCS or SCADA analog 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 16710-35 and the documented 177230 seismic-transmitter interconnect 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 177230 transmitter to its assigned control-system input; physical length, delivered terminations, routing and loop polarity 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 16710-35 order identity.

Installed-family context	Service planning must preserve the documented 177230 seismic-transmitter interconnect cabling relationship for this installed channel.
Replacement boundary	A different length, termination or armor construction requires a fresh wiring and loop review.
Supply boundary	Apter Power availability is confirmed independently from the manufacturer lifecycle phase.

Available unit details

Offered reference	Bently Nevada 16710-35, 35 ft armored 177230 Seismic Transmitter interconnect cable.
Identity check	Confirm the complete marking, physical length, armored construction and both delivered terminations.
Included items	One interconnect cable; transmitter, receiving system and field junction hardware are separate unless itemized.

Source and applicability record

Verified source	Bently Nevada 177230 Seismic Transmitter Datasheet, 177232 Rev. U
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	177230 seismic-transmitter interconnect cabling

Additional related product references

Related product	Bently Nevada 330104-00-16-10-02-00
Related product	Bently Nevada 330500-00-01
Related product	Bently Nevada 330980-70-CN
Related product	Bently Nevada 330930-040-03-00

Engineering contact

Discuss the exact marking and installed application with Apter Power.
sales13@apterpower.com | +86 18030235313