Bently Nevada 330930-065-01-00

Complete Product Information

Bently Nevada 330930-065-01-00 is a 6.5 m armored NSv extension cable with FEP jacket and no connector protector that completes a calibrated NSv electrical chain.

01 Product identity and verified data

Complete model	330930-065-01-00
Product type	3300 XL NSv extension cable
Manufacturer	Bently Nevada
Technical source	Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet, 147385 Rev. R
Cable family	3300 XL NSv
Cable length	6.5 m
Cable armor	AISI 302 stainless-steel armor
Armor jacket	FEP outer jacket
Connector protector	Not selected
Approval selection	No agency approval
Center-conductor resistance	0.220 ohm/m
Shield resistance	0.066 ohm/m

Engineering purpose

Bently Nevada 330930-065-01-00 is a 6.5 m armored NSv extension cable with FEP jacket and no connector protector that completes a calibrated NSv electrical chain.

Selected order-code snapshot

Selected cable	6.5 m NSv extension cable with AISI 302 stainless-steel armor.
Protection selection	FEP armor jacket; no connector protector.
Electrical construction	69.9 pF/m typical capacitance; 0.220 ohm/m center resistance.

02 Technical capability and engineering overview

Cable capacitance	69.9 pF/m typical
Connector material	Gold-plated brass
Minimum bend radius	25.4 mm
Maximum connector torque	0.56 N m; finger-tight recommended

Cable temperature	-52 to +177 deg C
Matched-system length	7 m with the documented 0.5 m probe lead
Matched-system range	1.5 mm
Matched-system scale	7.87 V/mm (200 mV/mil)

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

330930-065-01-00 extends an NSv probe by 6.5 m to form the documented 7 m with the documented 0.5 m probe lead. Cable length is an electrical configuration field as well as a routing dimension.

The selected construction uses flexible stainless-steel armor with an FEP outer jacket and no connector protector. Maintain the 25.4 mm minimum bend radius, support the armor independently and protect both joints from contamination.

Linear range, scale and frequency response belong to the complete matched NSv chain. Final acceptance restores the documented gap or bias and proves the monitor response against the machine baseline.

Application map

Installed signal path

Complete the coaxial path between an NSv probe and its matching Proximitor Sensor.

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 330930-065-01-00 and the documented 3300 XL NSv proximity transducer system 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 offered cable forms part of the calibrated NSv electrical length; probe lead, Proximitor and monitor assignment must be reviewed together.

04 Lifecycle, offered scope and related references

Lifecycle status

Exact-model status	A separate manufacturing or support phase is not assigned to the complete 330930-065-01-00 order identity.
Installed-family context	Service planning must preserve the documented 3300 XL NSv proximity transducer system relationship for this installed channel.
Replacement boundary	A different length, jacket, protector or approval option changes the ordered NSv chain and requires a fresh installation review.
Supply boundary	Apter Power availability is confirmed independently from the manufacturer lifecycle phase.

Available unit details

Offered reference	Bently Nevada 330930-065-01-00, 6.5 m armored NSv extension cable with FEP jacket and no connector protector.
Identity check	Confirm 6.5 m, FEP-jacketed armor, no protector and the complete approval suffix.
Included items	Extension cable only; NSv probe, Proximitor, monitor and mounting hardware are separate unless itemized.

Source and applicability record

Verified source	Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet, 147385 Rev. R
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	3300 XL NSv proximity transducer system

Additional related product references

Related product	Bently Nevada 330980-70-CN
Related product	Bently Nevada 330930-040-03-00
Related product	Bently Nevada 84661-96
Related product	Bently Nevada 330102-00-28-10-02-05

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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