Bently Nevada 330930-040-04-CN

COMPLETE PRODUCT-PAGE INFORMATION

Bently Nevada 330930-040-04-CN is a 4.0 m armored extension cable for a matched 3300 XL NSv proximity transducer chain.

01 Product position

Complete identity	330930-040-04-CN
Product type	3300 NSv Extension Cable
System family	Bently Nevada 3300 XL NSv Proximity Transducer System
Supply boundary	The offered item is the extension cable. Probe, Proximitor Sensor, connector accessories and mounting hardware are separate unless listed in the quotation.

Decision snapshot

Marking	Keep the complete model and every suffix group in the comparison.
Installed chain	Match total probe plus extension-cable length to the sensor.
Acceptance	Use measured gap or channel response and retain the as-left record.

Overview

This extension cable completes the electrical length between a 3300 NSv probe and its matching Proximitor Sensor.

The 330930 base number identifies the 3300 NSv extension-cable family. The 040 group selects 4.0 m, and option 04 selects stainless-steel armor with an FEP jacket and connector protector. Compare both connector ends, jacket and armor with the installed cable.

The extension cable works only as one part of a calibrated NSv chain. Add its 4.0 m length to the integral probe lead and compare the total with the 5 m or 7 m Proximitor Sensor marking before setting the gap.

The CN suffix is a country-specific option whose precise approval scope must be checked on the offered label. Inspect cable routing, connector protection and shield continuity, then prove the complete monitoring channel under an approved procedure.

Related Bently Nevada references

Bently Nevada 330101-04-36-05-02-05	Catalogue reference; verify the complete installed chain.
Bently Nevada 330102-00-32-10-02-00	Catalogue reference; verify the complete installed chain.
Bently Nevada 330909-00-30-10-02-00	Catalogue reference; verify the complete installed chain.
Bently Nevada 330180-50-CN	Catalogue reference; verify the complete installed chain.

02 Exact configuration and technical data

Order-code values identify this complete reference. Rows labelled matched-system describe the correctly assembled transducer chain, not a loose component.

Cable family	330930 3300 NSv extension cable
Cable length	040: 4.0 m (13.1 ft)
Construction option	04: stainless-steel armor with FEP jacket and connector protector
Agency option	CN country-specific suffix; verify offered label
Cable impedance	75 ohm coaxial
Cable insulation	Fluoroethylene propylene (FEP)
Armor material	Flexible AISI 302 stainless steel
Center conductor resistance	0.220 ohm/m (0.067 ohm/ft)
Shield resistance	0.066 ohm/m (0.020 ohm/ft)
Cable capacitance	69.9 pF/m (21.3 pF/ft) typical
Maximum connector tensile rating	220 N (50 lb)
Matched-system scale factor	7.87 V/mm (200 mV/mil)
Matched-system linear range	1.5 mm (60 mil); approximately 0.25 to 1.75 mm gap
Recommended gap setting	1.0 mm (40 mil)
Matched-system frequency response	0 to 10 kHz, +0/-3 dB typical; up to 305 m field wiring
Minimum flat target	8.9 mm (0.35 in); 13 mm (0.5 in) recommended
Minimum radial shaft diameter	20 mm (0.8 in); 30 mm (1.2 in) recommended

Configuration interpretation

Identity logic	Read 330930-040-04-CN as the 330930 cable family plus 040 length, 04 construction and CN country-specific suffix; verify the physical label.
Source boundary	Exact order groups follow the manufacturer ordering table. Values labeled matched-system apply only to a complete, correctly matched probe, extension cable and Proximitor Sensor chain.
Condition	New, original product
Shipping	Swift global dispatch

Source applicability

Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet, 147385 Rev. R. Exact order groups follow the manufacturer ordering table. Values labeled matched-system apply only to a complete, correctly matched probe, extension cable and Proximitor Sensor chain.

03 Remaining data and installed-system fit

System supply	-17.5 to -26 Vdc without barriers; 12 mA maximum
Sensor output resistance	50 ohm
Probe cable impedance	75 ohm coaxial
Probe tip material	Polyphenylene sulfide (PPS)
Probe case material	AISI 304 stainless steel
Matched-system scale factor	7.87 V/mm (200 mV/mil)
Matched-system linear range	1.5 mm (60 mil); approximately 0.25 to 1.75 mm gap
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Applications / Compatibility

System position: The cable connects the NSv probe lead to the matching Proximitor Sensor. Compatibility boundary: Match family, electrical length, armor, jacket, connector protection and approval marking.

NSv chain completion	Use the 4.0 m cable only with a compatible probe lead and matching sensor length.
Armored routing	Inspect armor, FEP jacket and bend points along the installed route.
Connector protection	Confirm full ClickLoc engagement and the protector arrangement at both interfaces.
Channel acceptance	Record gap indication and controlled dynamic response after reconnection.

04 Product precautions and commissioning

Read the complete cable code	Compare every group of 330930-040-04-CN with the offered label.
Check electrical length	Add 4.0 m to the probe lead and match the total to the Proximitor Sensor.
Inspect both connectors	Keep contacts clean and confirm full engagement without forcing the joint.
Protect the route	Avoid sharp bends, hot surfaces and damaged FEP or armor.
Verify the CN marking	Use the actual approval label and site classification record.
Prove the channel	Record static gap and a controlled dynamic response after installation.

Replacement sequence

01 Record baseline	Photograph complete labels, position, connectors, routing and current indication.
02 Isolate	Apply the approved site isolation and machinery-protection procedure.
03 Compare	Check offered identity, geometry, cable construction and included items.
04 Install	Restore routing and interfaces from the as-found record; do not force connectors.
05 Configure	Preserve the approved monitor channel, target and system-length settings.
06 Prove	Record static indication and a controlled response in an approved machine state.
07 Handover	Archive final identity, measurements and unresolved exceptions.

Fault-isolation starting points

Unexpected gap	Recheck target material, electrical length, connector engagement and channel configuration.
No channel response	Verify supply, terminal ownership and continuity before substituting another component.
Intermittent signal	Inspect connector protection, cable routing, armor transitions and vibration at the mounting point.
Scale differs	Confirm the complete matched family and sensor system length; physical fit is not calibration evidence.
Result accepted	Retain the exact model, measured baseline, test condition and as-left response.

05 Lifecycle, FAQ and enquiry

330930-040-04-CN status	A current lifecycle phase for this exact complete configuration has not been confirmed.
Support and replacement	Compare the complete marking and documented measurement-chain or installation interfaces before selecting a replacement.
Apter Power availability	The offered quantity and dispatch date are confirmed separately in the quotation.

Additional technical FAQ

What resistance checks can support inspection of 330930-040-04-CN?	Use the published center-conductor and shield resistance-per-metre values only as family references and compare the complete installed path.
How should the CN suffix on 330930-040-04-CN be handled?	Verify the physical approval label and applicable site record; do not infer an approval solely from the suffix.

Available Unit Details

Offered reference	Bently Nevada 330930-040-04-CN. Condition: New, original product.
Identity check	Match the complete order code, visible revision and installed chain before acceptance.
Included items	Confirm the probe, cable, sensor and mounting scope in the quotation.

Related Bently Nevada references

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Bently Nevada 330909-00-30-10-02-00	Catalogue reference; verify the complete installed chain.
Bently Nevada 330180-50-CN	Catalogue reference; verify the complete installed chain.
Bently Nevada 330130-080-00-00	Catalogue reference; verify the complete installed chain.

Discuss the complete marking with Apter Power
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