Bently Nevada 330130-00-05-05-02-00

Complete Product Information

Bently Nevada 330130-00-05-05-02-00 forms the coaxial link between a compatible probe lead and the matched 3300 XL Proximitor sensor.

WHAT THIS PRODUCT DOES

Bently Nevada 330130-00-05-05-02-00 is a calibrated 3300 XL extension cable that carries the proximity signal between a compatible probe lead and the matched Proximitor sensor.

Product characteristic 1

Carries the low-level proximity signal to the conditioner.

Product characteristic 2

Maintains the calibrated electrical length of the transducer chain.

Product characteristic 3

Uses the 3300 XL standard extension-cable family interface.

Product characteristic 4

Requires clean, fully engaged coaxial connectors at both ends.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Cable family	3300 XL standard extension cable
Signal path	Probe lead to Proximitor sensor
Electrical function	Calibrated extension of the proximity transducer chain
Connector family	ClickLoc coaxial

IMPORTANT NOTICE

Compare the complete 330130-00-05-05-02-00 marking with the installed cable before disconnection. Record the restored gap voltage and proportional response before service release.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Cable family	3300 XL standard extension cable
Signal path	Probe lead to Proximitor sensor
Electrical function	Calibrated extension of the proximity transducer chain
Connector family	ClickLoc coaxial
System rule	Probe plus extension cable equals Proximitor electrical length
Cable construction	Low-noise calibrated coaxial extension

FEATURE INTERPRETATION

Product identity

Carries the low-level proximity signal to the conditioner.

System role

Maintains the calibrated electrical length of the transducer chain.

Service context

Uses the 3300 XL standard extension-cable family interface.

Return-to-service focus

Requires clean, fully engaged coaxial connectors at both ends.

SIGNAL OR CONTROL PATH

Probe lead → **Extension cable** → **Matched connector** → **Signal conditioner**

The cable is part of the calibrated transducer path rather than ordinary coaxial wiring. Its family and electrical length must match the installed probe and Proximitor sensor.

PRODUCT-PAGE TECHNICAL QUESTIONS

What system role is performed by 330130-00-05-05-02-00?	It links the probe lead to the matched 3300 XL Proximitor sensor.
Why cannot be replaced by ordinary coaxial cable 330130-00-05-05-02-00?	Its calibrated electrical characteristics form part of the 3300 XL transducer system.
Why is electrical length critical for 330130-00-05-05-02-00?	The probe lead plus extension cable must equal the Proximitor system length.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Electrical-length completion

Provides the documented installed length extension section required by the matched 3300 XL transducer chain.

Probe-to-conditioner connection

Carries the calibrated coaxial signal from the probe lead to the Proximitor sensor.

Position measurement loop

Maintains the defined signal path for static shaft-position measurements.

Maintenance replacement

Restores a damaged cable section while preserving the selected system length.

APPLICATION VERIFICATION MAP

Electrical-length completion	Confirm the documented system position and the required operating function.
Probe-to-conditioner connection	Compare the restored connection or control path with the approved record.
Position measurement loop	Check the physical interface and the retained configuration before startup.
Maintenance replacement	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

Why is electrical length critical for 330130-00-05-05-02-00?	The probe lead plus extension cable must equal the Proximitor system length.
May be repaired by splicing 330130-00-05-05-02-00?	No. Splicing changes the calibrated cable characteristics.
Which connector surfaces should be inspected on 330130-00-05-05-02-00?	Check the ClickLoc contacts for contamination, corrosion and incomplete engagement.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Compare the complete 330130-00-05-05-02-00 marking with the installed cable before disconnection.
02	Confirm the required exact marked construction construction and connector arrangement.
03	Do not shorten, splice or field-repair the calibrated coaxial cable.
04	Clean and inspect both ClickLoc interfaces before mating the connectors.
05	Provide strain relief and protect the cable from abrasion, heat and moving hardware.
06	Use the cable only inside a matched 3300 XL probe and Proximitor system.
07	Verify continuity and positive connector engagement before energizing the channel.
08	Record the restored gap voltage and proportional response before service release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

What system role is performed by 330130-00-05-05-02-00?	It links the probe lead to the matched 3300 XL Proximitor sensor.
Why cannot be replaced by ordinary coaxial cable 330130-00-05-05-02-00?	Its calibrated electrical characteristics form part of the 3300 XL transducer system.
Why is electrical length critical for 330130-00-05-05-02-00?	The probe lead plus extension cable must equal the Proximitor system length.
May be repaired by splicing 330130-00-05-05-02-00?	No. Splicing changes the calibrated cable characteristics.

IMPORTANT NOTICE	Compare the complete 330130-00-05-05-02-00 marking with the installed cable before disconnection. Record the restored gap voltage and proportional response before service release.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, configuration control and related models

ADDITIONAL TECHNICAL QUESTIONS

Which connector surfaces should be inspected on 330130-00-05-05-02-00?	Check the ClickLoc contacts for contamination, corrosion and incomplete engagement.
How should routing protect 330130-00-05-05-02-00?	Provide strain relief and avoid heat, abrasion, crushing and sharp bends.
What must be matched before energizing a chain containing 330130-00-05-05-02-00?	Confirm probe family, extension-cable identity, Proximitor system length and monitor scale.
Which measurements verify a restored chain using 330130-00-05-05-02-00?	Record bias voltage and proportional target response at the monitor input.

CONFIGURATION CONTROL RECORD

Configuration identity	Bently Nevada 330130-00-05-05-02-00
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

RELATED MODELS ON APTERPOWER

Bently Nevada 330106-05-30-05-02-CN	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330106-05-30-15-02-cn	Related product reference. Compare the required interface and system position.
Bently Nevada 330106-05-30-20-02-cn	Related product reference. Confirm the execution independently for the intended task.

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