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

Installation & Commissioning Guide

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 ROLE AND VERIFIED FEATURES

Feature 1

Carries the low-level proximity signal to the conditioner.

Feature 2

Maintains the calibrated electrical length of the transducer chain.

Feature 3

Uses the 3300 XL standard extension-cable family interface.

Feature 4

Requires clean, fully engaged coaxial connectors at both ends.

VERIFIED DATA 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

SYSTEM RELATIONSHIP

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

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.

Pre-installation readiness

READINESS GATE

Identity

Compare the complete marking with the approved work order and installed record.

System match

Confirm the receiving channel, mating components and controlled configuration.

Physical condition

Inspect mounting surfaces, connectors, terminals, cable and support hardware.

Work controls

Apply authorized isolation, bypass, access and restoration procedures.

TECHNICAL PROFILE FOR THE WORK

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

IMPORTANT NOTICE

Resolve every unmatched interface, configuration or receiving-system condition before removal or installation.

CONFIGURATION AND WORK CONTROLS

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.

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.

Installation sequence

CONTROLLED WORK STEPS

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.

CONNECTION RECORD

As found	Photograph and label every connection and installed orientation before removal.
Mechanical	Record mounting position, support, clearance and connector engagement.
Electrical	Record polarity, common, shield, channel assignment and cable route.
Configuration	Preserve approved settings, scaling, alarm logic and acceptance limits.
As left	Record the final physical condition and any controlled deviation.

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

WORK HOLD POINTS

Before removal	Identity, position, wiring, orientation and controlled settings recorded.
Before connection	Mating interfaces, condition and routing reviewed.
Before power-up	Mechanical work, wiring, shielding and configuration independently checked.
Before release	Static value, dynamic response and protection behavior accepted.

Commissioning and functional proof

COMMISSIONING SEQUENCE

Initial state

Observe status at power-up and check for unexpected fault or alarm indication.

Static value

Verify the expected bias, gap, loop, contact or channel value for the application.

Dynamic response

Apply the approved machine or test stimulus and confirm response and scaling.

Protection path

Verify the configured alarm, relay, data or receiving-system behavior.

APPLICATION-SPECIFIC EVIDENCE

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.

ACCEPTANCE RECORD

Identity	Complete marking and final installed position recorded.
Physical inspection	Mounting, connectors, terminals and routing checked.
Channel status	Expected status and configured measurement confirmed.
Functional test	Required output or protection response demonstrated.
Restoration	Bypasses removed and operating state approved.

COMMISSIONING 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.

Release record and technical references

CLOSEOUT 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.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330130-035-00-00	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330130-040-00-05	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330130-040-02-00	Installation-planning reference. Confirm the execution independently for the intended task.

CONFIGURATION AND FINAL CONTROL

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.

IMPORTANT NOTICE	Release the equipment only after the responsible site authority accepts the recorded result.

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.