Bently Nevada 330130-045-00-CN

Installation & Commissioning Guide

Bently Nevada 330130-045-00-CN is a 4.5 m unarmored standard extension cable with the country-specific CN approval selection for a matched 3300 XL proximity system.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Provides a 4.5 m calibrated extension section.

Feature 2

Uses standard unarmored cable construction.

Feature 3

Retains the country-specific CN approval selection.

Feature 4

Operates only with a matched 3300 XL probe and Proximitor sensor.

VERIFIED DATA SNAPSHOT

Cable family	3300 XL standard extension cable
Cable length	4.5 m
Construction	Standard unarmored cable
Connector protector	Not included

SYSTEM RELATIONSHIP

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

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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

Cable length

4.5 m

Construction

Standard unarmored cable

Connector protector

Not included

Approval selection

Country-specific CN

System rule

Probe lead plus extension cable equals Proximitor electrical length

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

CONFIGURATION AND WORK CONTROLS

Configuration identity	Bently Nevada 330130-045-00-CN
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.

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Installation sequence

CONTROLLED WORK STEPS

01	Compare the complete 330130-045-00-CN marking with the installed cable before disconnection.
02	Confirm the required standard unarmored cable 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 4.5 m 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 calibrated extension length is built into 330130-045-00-CN?	The 045 field specifies 4.5 m.
Which cable construction is selected by the 00 field of 330130-045-00-CN?	It selects standard cable without stainless-steel armor or connector protector.
How should the CN suffix be handled on 330130-045-00-CN?	Retain the country-specific approval selection exactly and verify the installed marking.
Which 3300 XL components must be matched with 330130-045-00-CN?	The probe lead, extension cable and Proximitor sensor must share the required electrical length and family.

Release record and technical references

CLOSEOUT QUESTIONS

Why must not be shortened 330130-045-00-CN?	Changing cable length changes the calibrated electrical characteristics.
Which connector check is required before closing the machine 330130-045-00-CN?	Confirm clean contacts, positive ClickLoc engagement and adequate strain relief.
How should be protected without armor 330130-045-00-CN?	Route it in a protected path away from heat, abrasion, crushing and moving parts.
What readings should be captured after installing 330130-045-00-CN?	Record bias voltage and proportional target response at the monitor channel.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330130-070-00-05	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330130-070-00-cn	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330130-075-00-cn	Installation-planning reference. Confirm the execution independently for the intended task.

CONFIGURATION AND FINAL CONTROL

Configuration identity	Bently Nevada 330130-045-00-CN
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.

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