Bently Nevada 330130-035-01-CN

Installation & Commissioning Guide

Bently Nevada 330130-035-01-CN is a 3.5 m armored coaxial cable extension cable for a matched 3300 XL 8 mm proximity-transducer system. It links the probe lead to the Proximitor sensor while preserving the required electrical length.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Provides a 3.5 m calibrated extension-cable length.

Feature 2

Uses armored coaxial cable construction.

Feature 3

Carries the proximity signal through miniature coaxial connections.

Feature 4

Maintains the electrical-length relationship between probe and Proximitor sensor.

VERIFIED DATA SNAPSHOT

Transducer family	3300 XL 8 mm
Component role	Calibrated extension cable
Cable length	3.5 m
Cable construction	Armored coaxial cable

SYSTEM RELATIONSHIP

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

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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

Transducer family

3300 XL 8 mm

Component role

Calibrated extension cable

Cable length

3.5 m

Cable construction

Armored coaxial cable

Signal connection

Miniature coaxial connectors

Electrical-length rule

Probe plus extension cable equals Proximitor system length

Field modification

Do not shorten, splice or repair the calibrated cable

IMPORTANT NOTICE

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

SOURCE AND WORK CONTROLS

Manufacturer source	3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

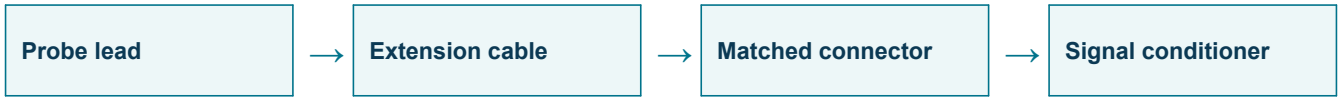
Installation sequence

CONTROLLED WORK STEPS

01	Confirm the complete 330130-035-01-CN marking before replacement.
02	Add probe and extension-cable lengths and compare the result with the Proximitor system length.
03	Protect both coaxial contacts from dirt, moisture and impact.
04	Do not pull, crush, kink or sharply bend the cable.
05	Do not shorten or splice the calibrated extension cable.
06	Support the run so machine motion does not load either connector.
07	Engage each connector fully and restore the specified environmental protection.
08	Verify static gap, OK status and dynamic signal response after reconnection.

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.



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

Probe connection

Join a compatible 3300 XL probe to the selected Proximitor sensor.

Radial-vibration loop

Maintain the calibrated signal path for a qualified shaft-vibration channel.

Axial-position loop

Carry the proximity signal for a position-measurement chain.

Maintenance replacement

Restore the exact cable length and construction used by the installed loop.

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 role does Bently Nevada 330130-035-01-CN perform?	It is the calibrated extension-cable section in a 3300 XL 8 mm transducer chain.
Which cable length is selected for Bently Nevada 330130-035-01-CN?	The selected cable length is 3.5 m.

Release record and technical references

CLOSEOUT QUESTIONS

Which cable construction applies to Bently Nevada 330130-035-01-CN?	It uses armored coaxial cable construction.
How is Bently Nevada 330130-035-01-CN matched to a Proximitor sensor?	Probe length plus extension-cable length must equal the Proximitor system length.
Can Bently Nevada 330130-035-01-CN be shortened in the field?	No. Shortening or splicing changes the calibrated electrical path.
What should be inspected on the connectors of Bently Nevada 330130-035-01-CN?	Check cleanliness, dryness, contact condition and full engagement.
How should Bently Nevada 330130-035-01-CN be routed?	Maintain the permitted bend radius and keep the cable free from tension, abrasion and side load.
What verifies the repaired loop after installing Bently Nevada 330130-035-01-CN?	Confirm matched length, stable gap voltage, channel OK state and dynamic response.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330103-00-10-10-01-00	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330103-00-10-50-02-00	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330103-00-11-50-02-00	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

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

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