

Bently Nevada 330190-045-01-05

Installation & Commissioning Guide

Bently Nevada 330190-045-01-05 is a 4.5 m armored extended-temperature-range extension cable with the multiple-approvals selection.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses PFA-insulated ETR cable construction for the documented family.

Feature 2

Provides a 4.5 m calibrated extension section.

Feature 3

Adds mechanical armor around the ETR cable.

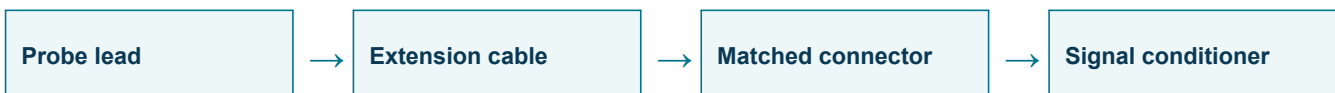
Feature 4

Selects the multiple-approval execution.

VERIFIED DATA SNAPSHOT

Cable type	3300 XL Extended Temperature Range
Length	4.5 m
Armor option	Armored cable
Approval option	CSA/ATEX/IECEX

SYSTEM RELATIONSHIP



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 type 3300 XL Extended Temperature Range	Length 4.5 m
Armor option Armored cable	Approval option CSA/ATEX/IECEX
System constraint Use only with the matched ETR probe and Proximity sensor	

IMPORTANT NOTICE

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

SOURCE AND WORK CONTROLS

Manufacturer source	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM.
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.

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Installation sequence

CONTROLLED WORK STEPS

- 01 Verify the complete 330190-045-01-05 identifier and installed system length before replacement.
- 02 Confirm the required cable construction is armored ETR cable.
- 03 Do not shorten, splice or field-repair the calibrated coaxial cable.
- 04 Clean and inspect both ClickLoc mating surfaces before connection.
- 05 Route the cable with strain relief and protect it from abrasion, hot surfaces and moving hardware.
- 06 Keep probe, extension-cable and Proximitor family components matched as one calibrated system.
- 07 Check connector engagement and cable continuity before energizing the monitoring channel.
- 08 Record gap voltage and dynamic response after the full signal chain is restored.

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

Matched electrical-length completion Completes the probe-to-Proximator path where a 4.5 m extension section is required.	Machinery vibration channels Carries the proximity signal between the probe lead and the matched signal conditioner.
Position monitoring Maintains the calibrated cable path used for static shaft-position measurements.	Maintenance replacement Restores a damaged extension segment without changing the specified 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 makes 330190-045-01-05 an ETR cable?	The 330190 family is the extended-temperature-range extension-cable construction.
Which calibrated length is selected in 330190-045-01-05?	Code 045 specifies 4.5 m.

Release record and technical references

CLOSEOUT QUESTIONS

Does 330190-045-01-05 carry armor?	Yes. Cable option 01 is armored.
How does terminal code 05 define the ETR cable execution 330190-045-01-05?	Code 05 selects the CSA, ATEX and IECEx approval execution.
Can 330190-045-01-05 be inserted into a standard-cable system?	Do not assume so; confirm that the probe and Proximito sensor are the matched ETR family and electrical length.
What should be inspected at each end of 330190-045-01-05?	Check ClickLoc cleanliness, positive engagement, armor termination and cable strain relief.
Why is the 4.5 m value critical for 330190-045-01-05?	The probe lead plus this extension must equal the Proximito system length.
How should the repaired ETR channel be accepted with 330190-045-01-05?	Confirm stable gap voltage, proportional target response and normal monitor diagnostics.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330881-28-04-265-00-02	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330130-075-01-00	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330103-02-04-10-02-CN	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM.
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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