Bently Nevada 330704-000-060-90-02-CN

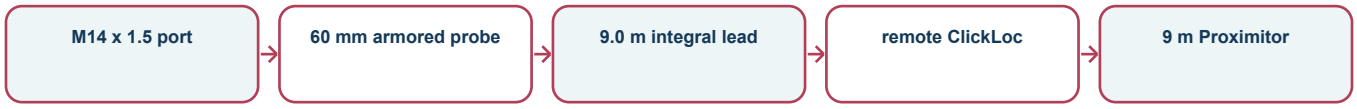
Engineering Installation, Diagnostic and Acceptance Guide

Bently Nevada 330704-000-060-90-02-CN is an armored M14 x 1.5 probe with a 60 mm case and 9.0 m standard lead for a long-run 3300 XL 11 mm channel.

01 Job boundary

Exact product	Bently Nevada 330704-000-060-90-02-CN
Documented role	3300 XL 11 mm proximity probe
Configuration question	How is a direct nine-meter armored probe route verified without adding an unnecessary joint?
System family	3300 XL 11 mm proximity transducer system

Configuration chain



This armored 9.0 m probe supports documented 11 mm installations that need a long direct cable route from a short M14 case to a remote 9 m Proximitor location.

Before work starts

Direct nine-meter path
Confirm whether the installed architecture uses the 9.0 m probe directly to the matching Proximitor; do not add an extension cable by habit.

Armored route plan
Provide supports and a 25.4 mm minimum bend radius along the full route without using the armor as a pulling member.

CN identity
Photograph the complete suffix and delivered approval marking, then retain them with the 8.5 +/-1.1 ohm continuity result.

02 Pre-installation identity and fit

Decode every segment before disturbing the installed channel; the sequence below is specific to this order code.

330704	M14 x 1.5 probe with armor
000	0 mm unthreaded reach
060	60 mm overall case
90	9.0 m integral lead
02	standard ClickLoc, no protector
CN	country-specific suffix; verify delivered marking

Release gates before removal

Marking	Read the complete 330704-000-060-90-02-CN identity and every approval or revision mark.
Mechanical datum	M14 x 1.5, 0 mm unthreaded length and 60 mm overall case.
Lead architecture	9.0 m standard 75 ohm triaxial lead with stainless-steel armor and ClickLoc termination.
Companion chain	Bently Nevada datasheet 146256 Rev. T supports the 330704 armored metric order structure, 9.0 m lead and 11 mm system data. Verify the delivered CN approval marking.
Baseline	Record the as-found gap or bias and monitor indication before disconnection.

Hold point

Stop when any order-code segment, installed datum or companion identity cannot be reconciled with the maintenance record.

03 Controlled installation sequence

Step 1	Confirm the architecture Verify the nine-meter integral lead connects to the matching 9 m Proximitor without an added extension cable.
Step 2	Survey the complete route Plan supports, bend points and a protected remote connector location.
Step 3	Control the short case Keep M14 x 1.5 engagement within 21 mm while preventing armor torque.
Step 4	Record CN identity Photograph the full suffix and actual approval marking before enclosure closure.
Step 5	Test the remote loop Compare 28.4 ±0.5 ohm continuity, static bias and controlled channel response.

Installation-specific cautions

Do not add an extension cable automatically
First confirm the installed nine-meter architecture because this probe already carries a 9.0 m integral lead.

Plan the entire armored route
Locate clamps and bends before mounting; the long armor can transmit torque back to the short case.

Limit metric thread engagement
Keep M14 x 1.5 engagement within 21 mm to prevent case binding.

Protect the option 02 joint
The ClickLoc termination has no connector protector; keep it clean, dry and mechanically unloaded.

Verify the CN marking
Do not assign approval coverage from the suffix alone; compare the delivered label with the project requirement.

Test long-route integrity
Record resistance, static output and controlled displacement response before releasing the remote channel.

04 Commissioning and fault isolation

Use the first observable symptom to choose the next check; do not replace the Proximitor or monitor before isolating the probe-side configuration.

Observed condition	Model-specific next check
Unexpected extra connection in route	Check whether an extension cable was added to the already nine-meter probe.
Resistance higher than expected	Inspect the long armored lead and remote ClickLoc joint before replacing electronics.
Short case rotates during clamping	Release armor torque and reposition route supports.
Approval status is ambiguous	Use the delivered label and full CN marking; do not infer coverage from family data.

Acceptance questions

Does 330704-000-060-90-02-CN normally require a separate extension cable?	Its selected probe lead is already 9.0 m, so first verify the recorded architecture and matching 9 m Proximitor before adding any extension cable.
How should the 9.0 m armor of 330704-000-060-90-02-CN be installed?	Pre-plan supports and bends, maintain at least 25.4 mm radius and prevent the route from applying torque or tension to the 60 mm case.
What does the CN suffix require the technician to verify on 330704-000-060-90-02-CN?	Retain the full suffix and inspect the actual delivered approval marking; the suffix alone is not a substitute for the label.
Which resistance result is expected for the long lead on 330704-000-060-90-02-CN?	The nominal probe resistance is 8.5 ±1.1 ohm, useful for continuity diagnosis before connecting the Proximitor.
Why is option 02 a maintenance concern on 330704-000-060-90-02-CN?	It uses a standard ClickLoc termination without a protector, so the remote joint needs its own clean, dry and strain-relieved location.
How is the short 60 mm case of 330704-000-060-90-02-CN positioned safely?	Limit M14 x 1.5 engagement to 21 mm, verify the zero-standoff datum and ensure the armored route does not rotate the body.
What proves the complete 9 m channel after installing 330704-000-060-90-02-CN?	Confirm the Proximitor length option, record static gap or bias and test the required displacement response against the monitor baseline.

Which architecture difference blocks a direct substitute for 330704-000-060-90-02-CN?	A shorter probe plus extension cable changes the number and location of joints, resistance distribution and route even if the nominal total length is nine meters.

05 Handover package

Complete marking	330704-000-060-90-02-CN
Mechanical result	M14 x 1.5, 0 mm unthreaded length and 60 mm overall case.
Lead or interface result	9.0 m standard 75 ohm triaxial lead with stainless-steel armor and ClickLoc termination.
Static datum	Record final gap or bias with machine state and instrument.
Functional proof	Record Proximitor output and monitor response during the approved controlled test.
Deviation record	List any variance, responsible reviewer and release decision.
Maintenance evidence	Attach photographs, measurements and the final companion-component identities.

Model-specific closeout limits

Mounting	M14 x 1.5; 21 mm maximum engagement
Case	0 mm unthreaded / 60 mm overall
Lead	9.0 m standard with stainless armor
Resistance	8.5 ±1.1 ohm
Release focus	CN label, route integrity and 9 m response

Verified related product references

Bently Nevada 330701-00-40-10-11-05	3300 XL 11 mm proximity probe
Bently Nevada 330104-00-10-20-12-05	3300 XL 8 mm proximity probe
Bently Nevada 330703-020-110-10-01-05	3300 XL 11 mm proximity probe
Bently Nevada 330103-00-03-05-01-05	3300 XL 8 mm proximity probe

Engineering contact
Discuss the exact marking, installed geometry and companion chain with Apter Power.

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