Bently Nevada 128987-130-00-00

Engineering Installation, Diagnostic and Acceptance Guide

Bently Nevada 128987-130-00-00 is a legacy extension-cable identity for an installed proximity transducer chain; exact field meanings are retained without unsupported recoding.

01 Job scope and identity

Complete model	128987-130-00-00
Product type	Legacy proximity-system extension cable
Manufacturer	Bently Nevada
Technical source	Legacy 128987 extension-cable identity supported by industrial procurement records

Field decisions

1 Establish identity

Capture the full marking, installed companion components and baseline before disconnection.

2 Inspect interfaces

Verify mounting, cable, connector, armor, approval and environmental boundaries.

3 Fit the exact chain

Preserve the documented probe-cable-Proximitor or sensor-monitor relationship.

4 Prove response

Use the approved stopped-machine and operating acceptance procedure.

5 Record as left

Save markings, configuration, test values and operating observations.

Installation relationships

Identity boundary	Procurement records support extension-cable identity; the exact 130-00-00 field meanings require delivered marking or legacy documentation.
Electrical relationship	Do not substitute cable length or family independently because the cable is part of the calibrated probe-cable-Proximitor chain.
Technical reference	Legacy 128987 extension-cable identity supported by industrial procurement records; current exact-field manufacturer table not located.

Pre-work evidence

Installed drawing	Record the approved cabinet, rail, slot, terminal, cable and system references that govern 128987-130-00-00.
Complete marking	Capture the complete order identity and every revision or approval marking on the delivered item.
Mechanical reference	Record mounting position, fasteners, connector orientation, access clearance and support points.
Electrical interfaces	Confirm supply, signal, bus, terminal and protective-conductor assignments against the installed drawing.
Configuration state	Record jumpers, switches, addresses, firmware or project settings that apply to this hardware.

02 Pre-installation readiness

Model-specific installation decisions

Exact identity

128987-130-00-00 and every delivered revision or approval marking must be recorded before removal.

Installed system

legacy 3300 XL extension-cable service companion components, channel assignment and approved machine reference must remain traceable.

Mechanical baseline

Record the as-found mounting datum, reach, lock position, target clearance, routing and connector support.

Electrical baseline

Record the applicable stopped-machine gap, bias, continuity or channel value together with test conditions.

As-left configuration

Document the final mechanical position, cable protection, connector condition and complete companion-component identities.

Functional release

Compare the final monitor indication and controlled operating response with the approved baseline before handover.

Installation precautions

Confirm the complete marking

Match 128987-130-00-00, cable length, connector and conductor construction with the installed record.

Isolate before testing

Place the monitor channel and machine in the approved maintenance state before disconnecting or checking continuity.

Protect the connector

Keep contacts dry and clean; do not use the connector or terminal lugs as a pulling point.

Support the route

Preserve bend clearance, armor support, abrasion protection and separation from damaging heat or sharp edges.

Verify conductor mapping

Label each conductor and shield before removal, then compare end-to-end continuity with the applicable wiring drawing.

Prove the complete channel

After reconnection, verify the expected monitor indication and operating response before return to service.

Companion and baseline records

Companion hardware	Record the connected drive, rack, motor, transducer, I/O base or control unit as applicable.
As-found baseline	Capture relevant voltages, currents, states, counts, fault history or channel response before removal.
Operating baseline	Record the controlled functional result after the complete system is returned to service.

Pre-installation release gates

Identity gate	The delivered marking is 128987-130-00-00 and all visible revision or approval details have been photographed.
Drawing gate	The installed asset, channel, mounting reference and companion-component assignments are identified on the approved record.
Mechanical gate	Mounting surface, thread or support points, access clearance and target relationship are suitable for the selected configuration.
Interface gate	Connector, conductor, shield, terminal and protective-conductor condition have been inspected before connection.
Route gate	Cable or lead routing preserves bend radius, strain relief, contamination protection and separation from damaging surfaces.
Baseline gate	The applicable stopped-machine reading and operating observation have been captured with units and test conditions.

03 Installation and commissioning

Controlled installation sequence

01 Isolate	Place the monitored machine and channel in the approved maintenance state; prove the required isolation.
02 Photograph	Capture 128987-130-00-00, the installed datum, connector, route and companion-component markings.
03 Measure	Record mechanical position and the applicable stopped-machine electrical reading before removal.
04 Compare	Check delivered identity, interfaces and evidence against the approved drawing and spare-parts record.
05 Install	Fit without twisting the lead; preserve thread engagement, target clearance, bend radius and strain relief.
06 Set point	Establish the operating gap or datum only with the approved stopped-machine procedure.
07 Prove	Compare local reading, monitor indication and controlled operating response with the accepted baseline.
08 Handover	Record as-left values, photographs, deviations, responsible technician and release approval.

Commissioning acceptance criteria

Mechanical fit	Independent industrial procurement records identify the 128987-130 family as a Bently Nevada extension cable. Confirm the installed datum and available target travel before final tightening.
Lead or interface fit	The 130-00-00 fields are retained exactly; no undocumented length conversion is assigned. Inspect the mating interface and provide independent route support.
System position	The offered item is an extension cable; complete marking, physical length, connector identity and every installed companion component must be verified together.
As-found reference	Record the applicable stopped-machine reading and the exact companion-component identities before disconnection.

Static acceptance	Restore the documented gap, bias, continuity or channel value with the machine in the approved test state.
Functional acceptance	Compare local indication, monitor response and the controlled operating observation with the accepted machine baseline.
Deviation control	Withhold release when the delivered marking, mounting datum, interface, system length or response differs from the approved record.
Release evidence	Retain the complete marking, test conditions, measured results, photographs, reviewer and maintenance-record reference.

Acceptance test points

After mechanical fit	Record final mounting datum, engagement, lock position, target clearance and route support.
After interface connection	Confirm contact seating, conductor or shield assignment and continuity or bias as applicable.
Before energization	Reconcile companion identities, total chain configuration and monitor or collector channel assignment.
Initial energized state	Observe the local channel value and status without declaring acceptance from open-circuit voltage alone.
Controlled functional proof	Compare the returned indication and machine response with the approved operating baseline.
Final record	Attach photographs, measured values, deviations, approvals and the maintenance-record location.

04 Diagnostics and escalation

What identity evidence should be checked for 128987-130-00-00?	Compare the complete marking, both connector ends and the installed spare-parts record; do not shorten the identity to 128987-130.
How should the length field of 128987-130-00-00 be handled?	Retain the 130 code exactly and verify physical length from the delivered item or approved legacy record; no unsupported conversion is applied.
Which companion components must be recorded with 128987-130-00-00?	Record the probe, extension cable, Proximitor and monitor-channel identities as one installed measurement chain.
What connector inspection is required for 128987-130-00-00?	With the channel isolated, inspect center and shield contacts, insulation, strain relief and environmental protection at both ends.

Additional diagnostic decisions

How should continuity be checked on 128987-130-00-00?	Use the approved isolated method to compare center and shield paths with the installed cable record before substituting any component.
What routing checks apply to 128987-130-00-00?	Record bend clearance, abrasion protection, contamination exposure, independent support and any joint protection along the route.
What proves the channel after replacing 128987-130-00-00?	Restore the documented chain, gap or bias and compare monitor indication and controlled operating response with the accepted machine baseline.
What handover evidence is required for 128987-130-00-00?	Retain the complete marking, physical length confirmation, connector photographs, continuity results, companion identities and as-left channel response.

Escalation triggers

Identity conflict	Stop if the complete marking, suffix, revision or approval identity differs from the approved record.
Host mismatch	Escalate if the rack, carrier, backplane, terminal unit or controller assignment is not documented for 128987-130-00-00.
Interface damage	Do not energize with bent contacts, damaged insulation, loose retainers, contamination or heat discoloration.
Environmental breach	Review any exposure beyond the documented temperature, vibration, humidity, contamination or enclosure boundary.
Unapproved substitution	Do not transfer ratings or compatibility from an adjacent order code without manufacturer evidence.
Configuration conflict	Stop if hardware settings, firmware, channel assignment or project configuration disagree with the installed record.
Unstable measurement	Investigate noise, drift, intermittent status or inconsistent readings before replacing another component.
Failed functional proof	Keep the asset in the approved maintenance state until the complete acceptance sequence is passed and recorded.

05 Handover and evidence package

As-left verification worksheet

Exact delivered marking	128987-130-00-00; photograph and record any additional label detail.
Installed asset reference	Machine, bearing, train, channel and drawing identifiers.
Mechanical as found	Reach, lock position, gap reference, cable route and connector support.
Static reading as found	Gap, bias, continuity or channel value appropriate to the installed system.
Companion identities	Extension cable, Proximitor or conditioner and monitor channel markings.
Mechanical as left	Final reach, lock position, target clearance and route protection.
Static reading as left	Final gap, bias, continuity or channel value with test conditions.
Operating proof	Monitor response and machine observation accepted by the responsible authority.

Evidence quality controls

Traceability	Each value is tied to 128987-130-00-00, the asset location, test state, instrument and date.
Repeatability	The same approved method and comparable operating state are used for before-and-after readings.
Resolution	Recorded precision does not exceed the capability of the instrument or source document.
Reference state	Stopped, energized, loaded and process-running observations are clearly distinguished.
Change control	Every changed setting, connection or mechanical datum has an approved reason and reviewer.
Retention	Evidence remains accessible with the maintenance record for future troubleshooting and replacement review.

Model-specific application limits

Exact identity release	Confirm the complete 128987-130-00-00 marking and its legacy 3300 XL extension-cable service assignment.
Verified identity release	Independent industrial procurement records identify the 128987-130 family as a Bently Nevada extension cable.
Configuration boundary release	The 130-00-00 fields are retained exactly; no undocumented length conversion is assigned.
System role release	Impedance path between the installed probe and matching proximity electronics.
Channel evidence	Record the final mechanical datum, interface condition, measured baseline and controlled operating response.

Verified related product references

Related product	Bently Nevada 330500-00-01
Related product	Bently Nevada 330980-70-CN
Related product	Bently Nevada 330930-040-03-00
Related product	Bently Nevada 84661-96

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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