01 INSTALLATION & COMMISSIONING

Bently Nevada 81305-040-00

01 / PLAN THE WORK

Bently Nevada 81305-040-00 is a 14 mm proximity-transducer extension cable with a documented 4.01 m cable length and no armor. The 040 cable is specified for use with the 81725-01 five-metre Proximitor arrangement.

Work boundary

Signal role	Installed context	Acceptance
Configured measurement or control path	Mating component or rack position	Machine-specific functional check

01 Record the as-found configuration

Capture the installed point and mating components before removal. Apply the authorized isolation and protection-bypass procedure.

Readiness focus

Configuration	Installed channel and companion parts recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source

Related models

Bently Nevada 330103-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-00-03-05-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-02-10-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330905-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330980-51-CN	Related portfolio reference; verify the complete execution.

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02 / PRE-INSTALLATION

Readiness gate

Configuration	Installed channel and companion parts recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source
Integration	Mating components and system length confirmed

02 Inspect condition

Check the nameplate, mounting surfaces, connectors, cable or enclosure for damage and contamination. Reject an item whose exact identity or condition cannot be confirmed.

03 Review the source

141604-01 Rev. NC: 81305 extension-cable ordering table, 040 length, 00 no-armor field and association with the 81725-01 five-metre Proximitor.

Related models

Bently Nevada 330103-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-00-03-05-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-02-10-10-02-00	Related portfolio reference; verify the complete execution.
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03 / INSTALL AND CONNECT

04 / Installation check

Verify 81305-040-00 on the cable identification before replacement.

05 / Installation check

Confirm the 4.01 m cable belongs to an 81725-01 five-metre Proximitor arrangement.

06 / Installation check

Do not substitute the armored 01 execution for this unarmored 00 cable without design approval.

07 / Installation check

Keep both coaxial connector surfaces clean and dry.

08 / Installation check

Route the unarmored cable away from abrasion, tension and sharp bends.

Documented data to respect

Cable length	4.01 m, tolerance ±10%
Armor	Without armor
Associated Proximitor	81725-01 five-metre Proximitor
Electrical system length	5 m combined transducer arrangement
Measurement system	14 mm proximity transducer
Connector check	Clean, dry and mechanically secure coaxial joint

Related models

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Bently Nevada 330104-00-03-05-02-00	Related portfolio reference; verify the complete execution.
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04 / COMMISSION AND ACCEPT

09 Restore the documented assembly

Extension-cable length is part of the calibrated transducer system. The probe lead, 4.01 m extension cable and designated Proximitor must be checked together, including connector condition, routing and the channel response.

10 Perform the functional check

Use the machine procedure to verify the expected static condition, signal path and operating response. A visual inspection alone is not commissioning evidence.

Acceptance record

Configuration	Installed channel and companion parts recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source
Integration	Mating components and system length confirmed
Acceptance	Machine-specific functional result recorded

Which Proximitor is associated with Bently Nevada 81305-040-00?

The 040 cable is documented for the 81725-01 five-metre Proximitor arrangement.

Can Bently Nevada 81305-040-00 be shortened in the field?

No. Its length is part of the calibrated electrical chain.

What should be inspected before connecting Bently Nevada 81305-040-00?

Check both coaxial joints for cleanliness, dryness and mechanical damage.

Related models

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05 / HANDOVER

How should Bently Nevada 81305-040-00 be routed?

Support it without crushing, pulling or sharp bends and protect it from abrasion.

What confirms commissioning of Bently Nevada 81305-040-00?

Verify matched components, gap voltage, stable OK state and approved dynamic response.

Handover record

Installed point	Rack, channel or measurement location
Configuration	Mating items and relevant option fields
Inspection	Mechanical, cable and connector condition
Test	Authorized functional result and date

Related-product boundary

Recommended models are portfolio references. Compare every ordering field before selection.

Related models

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Bently Nevada 330905-00-03-10-02-00	Related portfolio reference; verify the complete execution.

Manufacturer evidence

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