Bently Nevada 81305-040-00

COMPLETE PRODUCT INFORMATION

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.

Installed context

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

14 mm transducer completion

Complete the documented five-metre electrical path between the probe and 81725-01 Proximitor.

Shaft vibration monitoring

Carry the probe signal to the matched signal conditioner.

Axial-position monitoring

Maintain the calibrated path for a qualified 14 mm position measurement.

Legacy-system service

Replace the exact unarmored cable without altering the designed system length.

Engineering checkpoints

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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81305-040-00

Manufacturer-supported characteristics

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

Additional data

Field modification	Do not splice or shorten
Routing	Support without crushing or sharp bends
Acceptance	Verify static gap and dynamic response
Cable function	Completes the calibrated probe-to-Proximitor signal path
Signal path	Coaxial proximity-transducer connection

Interpretation boundary

Verify the complete 81305-040-00 identity, mating hardware and controlled system procedure before installation.

Evidence discipline

Unverified catalog fields and suffix meanings are intentionally omitted. Confirm them only from the exact manufacturer record or nameplate.

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01 / Field precaution

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

02 / Field precaution

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

03 / Field precaution

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

04 / Field precaution

Keep both coaxial connector surfaces clean and dry.

05 / Field precaution

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

06 / Field precaution

Support the cable so machine motion does not load either connector.

07 / Field precaution

Do not splice, shorten or repair the calibrated cable length in the field.

08 / Field precaution

Verify gap voltage, channel OK state and dynamic response after reconnection.

Acceptance checkpoints

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

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What component is Bently Nevada 81305-040-00?

It is a 14 mm proximity-transducer extension cable.

What length is Bently Nevada 81305-040-00?

The 040 code specifies 4.01 m with a ±10% tolerance.

Is Bently Nevada 81305-040-00 armored?

No. The 00 suffix identifies the without-armor execution.

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.

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.

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Evidence record

Technical source	14 mm Proximity Transducer System Datasheet 141604-01 Rev. NC
Evidence boundary	Only directly supported family and ordering statements are used
Verification focus	Function, signal path, interfaces and installation conditions

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Recommendation rule

Brand + model links identify related product pages. They do not claim compatibility or substitution.

Service record

Retain the installed point, companion components, as-found condition, inspection evidence and machine-specific acceptance result.

Manufacturer evidence

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

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