Bently Nevada 330730-080-00-00 is an 8 m standard extension cable for the 3300 XL 11 mm proximity system. It has no armor, no included connector protector and no selected agency approval, and completes a 9 m chain with a 1 m probe.

Exact identity

330730	3300 XL 11 mm extension cable
080	8.0 m cable length
00	Standard cable
00	Agency approval not required
Selected chain	1 m probe + 8 m extension = 9 m system

Installed context

Exact item	Installed context	Acceptance
330730-080-00-00	Mating component or rack position	Machine-specific functional check

Nine-metre 11 mm channels

Complete the long electrical chain used for extended-range proximity measurement.

Large-shaft vibration

Carry the probe signal for relative vibration measurements with the matched system.

Thrust and position

Support static displacement channels across the 11 mm system's rated range.

Cable service checks

Verify core and jacket continuity before reconnecting the probe and conditioner.

Related Bently Nevada models

Bently Nevada 330103-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330103-00-20-10-02-00	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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330730-080-00-00

Manufacturer-supported characteristics

Cable Family	3300 XL 11 mm extension cable
Cable Length	8.0 m
Cable Option	Standard cable
Armor	Not selected
Connector Protector	Not included
Agency Approval	Not required

Additional data

System Pairing	1 m probe + 8 m cable + 9 m Proximitor
Core Resistance	2.0 +/-0.5 ohm
Jacket Resistance	0.6 +/-0.2 ohm
Capacitance	69.9 pF/m typical
Impedance	75 ohm
Minimum Bend Radius	25.4 mm

Interpretation boundary

Use the cable only in a matched nine-metre 3300 XL 11 mm chain. Standard option 00 does not provide armor, connector protectors or an agency approval.

Evidence discipline

Unverified weight, dimensions and suffix meanings are intentionally omitted. Confirm them only from the exact manufacturer record or nameplate.

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330730-080-00-00

01 / Field precaution

Pair the 8 m extension with a 1 m 11 mm probe and a 9 m Proximitor.

02 / Field precaution

Support the unarmored route and maintain at least the 25.4 mm bend radius.

03 / Field precaution

Provide separate protection for both coaxial junctions because option 00 includes no protectors.

04 / Field precaution

Keep connectors clean, electrically insulated and finger tight.

05 / Field precaution

Disconnect the cable before measuring core and jacket resistance paths.

06 / Field precaution

Do not apply the 8 mm system's scale factor or range to this 11 mm channel.

07 / Field precaution

Review the -52 to +177 deg C cable limit at the actual route.

08 / Field precaution

Confirm static gap and dynamic response after restoring the complete channel.

Acceptance checkpoints

Identity	Full model and nameplate 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

Related Bently Nevada models

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Which chain is completed by 330730-080-00-00?

A 1 m 3300 XL 11 mm probe plus this 8 m extension completes the 9 m sensor calibration.

Does 330730-080-00-00 include stainless-steel armor?

No. Cable option 00 is the standard unarmored execution.

Are connector protectors supplied with 330730-080-00-00?

No. Protector-equipped standard cable uses option 02.

What resistance values can be checked on 330730-080-00-00?

The 8 m cable has a 2.0 +/-0.5 ohm core path and a 0.6 +/-0.2 ohm outer-conductor path.

Which scale factor belongs to the matched system using 330730-080-00-00?

The 11 mm system uses 3.94 V/mm (100 mV/mil) under the stated operating conditions.

Can 330730-080-00-00 be used in a five-metre channel?

No. Its eight-metre length is intended for the nine-metre system with a one-metre probe.

What target basis should be retained with 330730-080-00-00?

The matched-system data uses an AISI 4140 steel target at least 31 mm in diameter.

What finishes acceptance after installing 330730-080-00-00?

Record the full component chain, continuity checks, static gap and the expected monitor response.

Related Bently Nevada models

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330730-080-00-00

Evidence record

Manufacturer	Bently Nevada, a Baker Hughes company
Reference	3300 XL 11 mm Proximity Transducer System Datasheet 146256 Rev. T
Exact identifier	330730-080-00-00
Evidence boundary	Only directly supported family and ordering statements are used

Related Bently Nevada models

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Recommendation rule

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

Service record

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

Manufacturer evidence

146256 Rev. T: 11 mm system role pp. 1-2; electrical, range and scale data pp. 3-4; routing and environmental limits pp. 5-7; exact 080/00/00 ordering selection p. 13; cable geometry p. 24.

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