

330730-040-00-00

3300 XL 11 mm standard extension cable

It completes a five-metre 3300 XL 11 mm transducer loop when combined with the matched one-metre probe and Proximito Sensor.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 11 mm Proximity Transducer System

PART

330730-040-00-00

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PRODUCT OVERVIEW

It completes a five-metre 3300 XL 11 mm transducer loop when combined with the matched one-metre probe and Proximator Sensor.

1

Provides four metres of system cable length

2

Uses standard FEP-insulated triaxial construction

3

Carries the eddy-current probe signal through ClickLoc connectors

4

Preserves the calibrated 11 mm system-length relationship

SYSTEM COMPONENTS

3300 XL 11 mm probe

five-metre 3300 XL 11 mm Proximator Sensor

ClickLoc connector pair

compatible Bently Nevada monitor channel

TECHNICAL NOTE

Confirm that probe length plus 330730-040-00-00 equals the Proximator Sensor system length, keep both ClickLoc interfaces clean and finger-tight, and support the cable above the minimum bend radius before loop verification.

TECHNICAL DATA

PARAMETER	VALUE
Part number	330730-040-00-00
Cable length	4.0 m (13.1 ft)
Cable construction	Standard cable
Agency approval option	00
Cable impedance	75 ohm triaxial
Cable insulation	FEP

PARAMETER	VALUE
Core resistance	1.0 +/- 0.25 ohm
Jacket resistance	0.3 +/- 0.1 ohm
Capacitance	69.9 pF/m typical
Minimum bend radius	25.4 mm (1.0 in)
Maximum connector torque	0.565 N m (5 in lbf)

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330910-00-05-50-02-00	Related Bently Nevada product	View 330910-00-05-50-02-00 page
330909-00-60-10-01-05	Related Bently Nevada product	View 330909-00-60-10-01-05 page
330103-00-06-50-02-00	Related Bently Nevada product	View 330103-00-06-50-02-00 page
330101-37-57-10-02-05	Related Bently Nevada product	View 330101-37-57-10-02-05 page
24765-01-00	Related Bently Nevada product	View 24765-01-00 page
147364-01	Related Bently Nevada product	View 147364-01 page
149844-01	Related Bently Nevada product	View 149844-01 page
TK-3E-177313-02-01	Related Bently Nevada product	View TK-3E-177313-02-01 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Radial shaft-vibration loops

Provides four metres of system cable length

Axial position monitoring

Uses standard FEP-insulated triaxial construction

Differential-expansion measurement

Carries the eddy-current probe signal through ClickLoc connectors

Steam-turbine proximity-system renewal

Preserves the calibrated 11 mm system-length relationship

PRODUCT PRECAUTIONS

- 1 Verify the complete 330730-040-00-00 marking and its documented 3300 XL 11 mm Proximity Transducer System position before field work.
- 2 Place the monitored machine and associated protection channel in the approved maintenance state before disconnecting 3300 XL 11 mm standard extension cable.
- 3 Protect every exposed connector and cable end from oil, moisture, dirt and impact while 330730-040-00-00 is open.
- 4 Record probe, extension-cable and Proximitor Sensor identities so the calibrated system length is preserved.
- 5 Route 330730-040-00-00 without sharp bends, crushing, abrasion or tensile loading at either coaxial termination.
- 6 Clean and finger-tighten each ClickLoc connection; never transfer connector torque or wiring practice from a different transducer family.
- 7 Set the static gap only after mechanical mounting and the complete matched loop have been confirmed.
- 8 Verify polarity, dynamic response and alarm action before returning the machinery-protection channel to service.

ENGINEER FAQ

Q1 Does 330730-040-00-00 match 3300 XL 11 mm probe in a Radial shaft-vibration loops installation?

Verify the complete 330730-040-00-00 marking, the documented 3300 XL 11 mm Proximity Transducer System position and the installed 3300 XL 11 mm probe before fitting the assembly.

Q3 Which 3300 XL 11 mm Proximity Transducer System records should be captured before removing 330730-040-00-00?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330730-040-00-00 before disconnection.

Q5 Which five-metre 3300 XL 11 mm Proximitor Sensor condition should be checked when 330730-040-00-00 reports an abnormal state?

Check the five-metre 3300 XL 11 mm Proximitor Sensor supply, seating and connection first, then compare channel diagnostics with the recorded 330730-040-00-00 baseline.

Q7 What maintenance evidence is required after 330730-040-00-00 is used for Differential-expansion measurement?

Retain the nameplate record, corrective action, final diagnostics and a controlled differential-expansion measurement functional-test result for 330730-040-00-00.

Q2 How should 330730-040-00-00 be wired when it must provides four metres of system cable length?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330730-040-00-00; then continuity-test the affected path.

Q4 What controlled test confirms that 330730-040-00-00 can uses standard fep-insulated triaxial construction?

Apply the approved field or simulated stimulus, observe the 3300 XL 11 mm Proximity Transducer System indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 330730-040-00-00 be moved directly into Axial position monitoring without validating compatible Bently Nevada monitor channel?

No. Confirm the compatible Bently Nevada monitor channel, revision, connection scheme and 3300 XL 11 mm Proximity Transducer System configuration before transferring 330730-040-00-00 to that duty.

Q8 How should 330730-040-00-00 be returned to service in Steam-turbine proximity-system renewal?

Restore power under control, verify carries the eddy-current probe signal through clickloc connectors, exercise the intended signal path and release 330730-040-00-00 only after the 3300 XL 11 mm Proximity Transducer System remains in its approved operating state.

SOURCE 3300 XL 11 mm Proximity Transducer System Datasheet | 146256 Rev. T

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