

330930-040-00-05

3300 XL NSv Extension Cable

330930-040-00-05 carries the NSv eddy-current probe signal across a four-metre field connection while completing the approved probe-plus-cable length for the selected Proximity Sensor.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3300 XL NSv Proximity Transd

PART

330930-040-00-05

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PRODUCT OVERVIEW

330930-040-00-05 carries the NSv eddy-current probe signal across a four-metre field connection while completing the approved probe-plus-cable length for the selected Proximitor Sensor.

- 1 Extends an NSv probe connection by four metres
- 2 Completes the selected five- or seven-metre transducer-system length
- 3 Carries the proximity signal through a 75-ohm coaxial path
- 4 Uses the unarmored cable execution with multiple approvals

SYSTEM COMPONENTS

3300 XL NSv proximity probe

3300 XL NSv Proximitor Sensor

ClickLoc connector protection

Approved cable supports and routing

TECHNICAL NOTE

Add the four-metre length of 330930-040-00-05 to the installed probe length and confirm the result matches the selected NSv Proximitor Sensor. Support the unarmored cable, protect both ClickLoc interfaces and verify continuity, gap voltage and dynamic response.

TECHNICAL DATA

PARAMETER	VALUE
Complete order number	330930-040-00-05
Cable length	4.0 m (13.1 ft)
Cable construction	Without stainless-steel armor
Approval option	Multiple approvals
Cable impedance	75 ohm
Operating temperature	-52 to +177 degC

PARAMETER	VALUE
Storage temperature	-52 to +177 degC
Typical cable mass	45 g/m
Connector family	Gold-plated ClickLoc coaxial
System linear range	1.5 mm (60 mils)
Incremental scale factor	7.87 V/mm (200 mV/mil)
Recommended system gap	1.0 mm (40 mils)

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330171-00-12-05-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-05-01-05 page
330171-00-33-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-33-50-01-05 page
330171-00-08-10-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-08-10-01-05 page
330172-00-08-10-01-05	3300 XL 5/8 mm armored proximity probe	View 330172-00-08-10-01-05 page
330103-00-04-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-04-10-02-00 page
330103-00-12-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-12-10-02-00 page
330103-00-16-10-02-05	3300 XL 8 mm metric proximity probe	View 330103-00-16-10-02-05 page
330106-05-30-05-02-00	3300 XL 8 mm reverse-mount probe	View 330106-05-30-05-02-00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Remote NSv Proximitior cabinet routing

Extends an NSv probe connection by four metres

Process-compressor probe extension

Completes the selected five- or seven-metre transducer-system length

Confined bearing-housing signal connection

Carries the proximity signal through a 75-ohm coaxial path

NSv cable replacement in matched loops

Uses the unarmored cable execution with multiple approvals

PRODUCT PRECAUTIONS

- 1 Verify 330930-040-00-05, its four-metre length and unarmored execution before routing.
- 2 Isolate the assigned monitor input and place machine protection in maintenance state.
- 3 Inspect both ClickLoc contacts and keep them free of oil, moisture and debris.
- 4 Do not pull, twist or support the cable by either coaxial connector.
- 5 Route the unarmored cable away from abrasion, hot surfaces and high-current conductors.
- 6 Confirm probe length plus extension length matches the Proximitior Sensor system length.
- 7 Secure and protect both connector joints before restoring the monitor channel.
- 8 Verify continuity, gap voltage, polarity and dynamic response after reconnection.

ENGINEER FAQ

Q1 Does 330930-040-00-05 match 3300 XL NSv proximity probe in a Remote NSv Proximitor cabinet routing installation?

Verify the complete 330930-040-00-05 marking, the documented Bently Nevada 3300 XL NSv Proximity Transducer System position and the installed 3300 XL NSv proximity probe before fitting the assembly.

Q3 Which Bently Nevada 3300 XL NSv Proximity Transducer System records should be captured before removing 330930-040-00-05?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330930-040-00-05 before disconnection.

Q5 Which 3300 XL NSv Proximitor Sensor condition should be checked when 330930-040-00-05 reports an abnormal state?

Check the 3300 XL NSv Proximitor Sensor supply, seating and connection first, then compare channel diagnostics with the recorded 330930-040-00-05 baseline.

Q7 What maintenance evidence is required after 330930-040-00-05 is used for Confined bearing-housing signal connection?

Retain the nameplate record, corrective action, final diagnostics and a controlled confined bearing-housing signal connection functional-test result for 330930-040-00-05.

Q2 How should 330930-040-00-05 be wired when it must extends an nsv probe connection by four metres?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330930-040-00-05; then continuity-test the affected path.

Q4 What controlled test confirms that 330930-040-00-05 can completes the selected five- or seven-metre transducer-system length?

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

Q6 Can 330930-040-00-05 be moved directly into Process-compressor probe extension without validating Approved cable supports and routing?

No. Confirm the Approved cable supports and routing, revision, connection scheme and Bently Nevada 3300 XL NSv Proximity Transducer System configuration before transferring 330930-040-00-05 to that duty.

Q8 How should 330930-040-00-05 be returned to service in NSv cable replacement in matched loops?

Restore power under control, verify carries the proximity signal through a 75-ohm coaxial path, exercise the intended signal path and release 330930-040-00-05 only after the Bently Nevada 3300 XL NSv Proximity Transducer System remains in its approved operating state.

SOURCE Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet | 147385 Rev. R

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