

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL NSv Proximity Transducer System
Part number	330930-040-00-05
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL 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
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)

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	3300 XL NSv proximity probe
Companion hardware	3300 XL NSv Proximitors Sensor
Field connection	ClickLoc connector protection
Primary system function	Extends an NSv probe connection by four metres
Controlled acceptance duty	Remote NSv Proximitors cabinet routing

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System Role and Architecture

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 Proximator Sensor.

FUNCTION 1

Extends an NSv probe connection by four metres

FUNCTION 2

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

FUNCTION 3

Carries the proximity signal through a 75-ohm coaxial path

FUNCTION 4

Uses the unarmored cable execution with multiple approvals

Matched system components

- 3300 XL NSv proximity probe
- 3300 XL NSv Proximator Sensor
- ClickLoc connector protection
- Approved cable supports and routing

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3300 XL NSv proximity probe
Companion hardware	3300 XL NSv Proximator Sensor
Field connection	ClickLoc connector protection
Primary system function	Extends an NSv probe connection by four metres
Controlled acceptance duty	Remote NSv Proximator cabinet routing

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Applications and Engineering Context

Remote NSv Proximitors 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

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 Proximitors Sensor. Support the unarmored cable, protect both ClickLoc interfaces and verify continuity, gap voltage and dynamic response.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330930-040-00-05 / 330930-040-00-05 recorded
Physical interface	3300 XL NSv proximity probe
Companion check	3300 XL NSv Proximitors Sensor
Functional proof	Extends an NSv probe connection by four metres
Application test	Remote NSv Proximitors cabinet routing

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Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330130-045-00-00	3300 XL standard extension cable	View 330130-045-00-00 page
330130-080-02-05	3300 XL extension cable	View 330130-080-02-05 page
330850-50-00	3300 XL NSv Proximity Sensor	View 330850-50-00 page
330171-00-12-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-50-01-05 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

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet

147385 Rev. R

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