

INDUSTRIAL AUTOMATION PRODUCT

330930-065-03-05

3300 XL NSv Extension Cable

The extension cable completes the coaxial signal path and system length between an NSv probe and matched Proximity Sensor.

| IDENTITY      | VERIFIED VALUE                          |
|---------------|-----------------------------------------|
| Manufacturer  | Bently Nevada                           |
| System family | 3300 XL NSv Proximity Transducer System |
| Part number   | 330930-065-03-05                        |
| 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 catalog number  | 330930-065-03-05       |
| Cable length             | 6.5 m                  |
| Cable construction       | Without armor          |
| Connector protector      | Installed              |
| Approval option          | Multiple approvals     |
| Cable impedance          | 75 Ohm                 |
| System linear range      | 1.5 mm (60 mils)       |
| Incremental scale factor | 7.87 V/mm (200 mV/mil) |

### ENGINEERING DATA SUMMARY

| DATA GROUP                 | VERIFIED ASSIGNMENT                                            |
|----------------------------|----------------------------------------------------------------|
| Installed host / carrier   | Documented host position and companion hardware                |
| Companion hardware         | Approved field or control wiring arrangement                   |
| Field connection           | Recorded connector, shield and grounding system                |
| Primary system function    | Provides the documented 3300 XL NSv Extension Cable function   |
| Controlled acceptance duty | 3300 XL NSv Proximity Transducer System installed-base service |

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# System Role and Architecture

The extension cable completes the coaxial signal path and system length between an NSv probe and matched Proximitor Sensor.

**FUNCTION 1**  
Provides the documented 3300 XL NSv Extension Cable function

**FUNCTION 2**  
Maintains the engineered signal or power path

**FUNCTION 3**  
Integrates with the specified host and companion hardware

**FUNCTION 4**  
Supports controlled diagnostics and functional verification

## Matched system components

- Documented host position and companion hardware
- Approved field or control wiring arrangement
- Recorded connector, shield and grounding system
- Configured monitor, controller or protection channel

## SYSTEM INTEGRATION RECORD

| INTEGRATION ITEM           | DOCUMENTED ROLE                                                |
|----------------------------|----------------------------------------------------------------|
| Installed host / carrier   | Documented host position and companion hardware                |
| Companion hardware         | Approved field or control wiring arrangement                   |
| Field connection           | Recorded connector, shield and grounding system                |
| Primary system function    | Provides the documented 3300 XL NSv Extension Cable function   |
| Controlled acceptance duty | 3300 XL NSv Proximity Transducer System installed-base service |

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## Applications and Engineering Context

**3300 XL NSv Proximity Transducer System  
installed-base service**

Provides the documented 3300 XL NSv Extension Cable function

**3300 XL NSv Proximity Transducer System  
compatibility review**

Maintains the engineered signal or power path

**3300 XL NSv Proximity Transducer System  
installation planning**

Integrates with the specified host and companion hardware

**3300 XL NSv Proximity Transducer System  
controlled commissioning**

Supports controlled diagnostics and functional verification

### TECHNICAL NOTE

Install 330930-065-03-05 only in the documented 3300 XL NSv Proximity Transducer System position and preserve the recorded connections. After installation, restore the approved configuration and complete controlled diagnostic and functional checks.

### MODEL-SPECIFIC ACCEPTANCE EVIDENCE

| CHECK              | ACCEPTANCE CONDITION                                           |
|--------------------|----------------------------------------------------------------|
| Identity           | 330930-065-03-05 / 330930-065-03-05 recorded                   |
| Physical interface | Documented host position and companion hardware                |
| Companion check    | Approved field or control wiring arrangement                   |
| Functional proof   | Provides the documented 3300 XL NSv Extension Cable function   |
| Application test   | 3300 XL NSv Proximity Transducer System installed-base service |

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## Engineering Precautions

1

Verify the complete 330930-065-03-05 marking and installed position before work.

2

Place the connected equipment in the approved maintenance state.

3

Isolate applicable power and signal energy before disconnecting wiring.

4

Use ESD controls and protect connectors from contamination or damage.

5

Record as-found cable, terminal, shield and grounding identity.

### RELATED PRODUCTS ON APTER POWER

| MODEL                 | SYSTEM ROLE                            | APTER POWER PAGE                                |
|-----------------------|----------------------------------------|-------------------------------------------------|
| 330171-00-12-50-01-05 | 3300 XL 5/8 mm proximity probe         | <a href="#">View 330171-00-12-50-01-05 page</a> |
| 330171-00-12-05-01-05 | 3300 XL 5/8 mm proximity probe         | <a href="#">View 330171-00-12-05-01-05 page</a> |
| 330171-00-33-50-01-05 | 3300 XL 5/8 mm proximity probe         | <a href="#">View 330171-00-33-50-01-05 page</a> |
| 330171-00-08-10-01-05 | 3300 XL 5/8 mm proximity probe         | <a href="#">View 330171-00-08-10-01-05 page</a> |
| 330172-00-08-10-01-05 | 3300 XL 5/8 mm armored proximity probe | <a href="#">View 330172-00-08-10-01-05 page</a> |
| 330103-00-04-10-02-00 | 3300 XL 8 mm metric proximity probe    | <a href="#">View 330103-00-04-10-02-00 page</a> |
| 330103-00-12-10-02-00 | 3300 XL 8 mm metric proximity probe    | <a href="#">View 330103-00-12-10-02-00 page</a> |
| 330103-00-16-10-02-05 | 3300 XL 8 mm metric proximity probe    | <a href="#">View 330103-00-16-10-02-05 page</a> |

### MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet

147385 Rev. R

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