# Bently Nevada 330130-040-00-CN

## Complete Product Information

Bently Nevada 330130-040-00-CN is a 4.0 m standard insulated coaxial cable extension cable for a matched 3300 XL 8 mm proximity-transducer system. It links the probe lead to the Proximitor sensor while preserving the required electrical length.

### PRODUCT ROLE AND VERIFIED FEATURES

**Feature 1**

Provides a 4.0 m calibrated extension-cable length.

**Feature 2**

Uses standard insulated coaxial cable construction.

**Feature 3**

Carries the proximity signal through miniature coaxial connections.

**Feature 4**

Maintains the electrical-length relationship between probe and Proximitor sensor.

### VERIFIED DATA SNAPSHOT

| | |
|---|---|
| **Transducer family** | 3300 XL 8 mm |
| **Component role** | Calibrated extension cable |
| **Cable length** | 4.0 m |
| **Cable construction** | Standard insulated coaxial cable |

### SYSTEM RELATIONSHIP

**Probe lead** → **Extension cable** → **Matched connector** → **Signal conditioner**

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
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# Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

| | |
|---|---|
| **Transducer family** | 3300 XL 8 mm |
| **Component role** | Calibrated extension cable |
| **Cable length** | 4.0 m |
| **Cable construction** | Standard insulated coaxial cable |
| **Signal connection** | Miniature coaxial connectors |
| **Electrical-length rule** | Probe plus extension cable equals Proximitor system length |
| **Field modification** | Do not shorten, splice or repair the calibrated cable |

## SELECTION ANCHORS

- Provides a 4.0 m calibrated extension-cable length.
- Uses standard insulated coaxial cable construction.
- Carries the proximity signal through miniature coaxial connections.
- Maintains the electrical-length relationship between probe and Proximitor sensor.

| | |
|---|---|
| **IMPORTANT NOTICE** | Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check. |

## MANUFACTURER SOURCE CONTROLS

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|---|---|
| **Manufacturer source** | 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN |
| **Evidence boundary** | Technical statements are limited to the identified product or applicable manufacturer family. |
| **Selection control** | Use the complete ordering string and verify the installed system before purchase or installation. |

## ADDITIONAL ENGINEERING CHECKS

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|---|---|
| **How should Bently Nevada 330130-040-00-CN be routed?** | Maintain the permitted bend radius and keep the cable free from tension, abrasion and side load. |
| **What verifies the repaired loop after installing Bently Nevada 330130-040-00-CN?** | Confirm matched length, stable gap voltage, channel OK state and dynamic response. |

# System role and architecture

**Probe lead** → **Extension cable** → **Matched connector** → **Signal conditioner**

## APPLICATION POINTS

**Probe connection**

Join a compatible 3300 XL probe to the selected Proximitor sensor.

**Radial-vibration loop**

Maintain the calibrated signal path for a qualified shaft-vibration channel.

**Axial-position loop**

Carry the proximity signal for a position-measurement chain.

**Maintenance replacement**

Restore the exact cable length and construction used by the installed loop.

## INTEGRATION RECORD

| | |
|---|---|
| **Identity** | Record the complete marking and installed position. |
| **Mechanical interface** | Confirm mounting, support, clearance and connector engagement. |
| **Electrical interface** | Confirm signal path, shield, common and receiving-channel assignment. |
| **Configuration** | Retain the controlled channel settings and acceptance criteria. |
| **Functional evidence** | Record the expected static value, dynamic response and system status. |

The extension cable must remain within its intended measurement or monitoring chain. Match its interfaces, wiring and channel configuration before returning protection to service.

## ENGINEERING REVIEW QUESTIONS

| | |
|---|---|
| **What role does Bently Nevada 330130-040-00-CN perform?** | It is the calibrated extension-cable section in a 3300 XL 8 mm transducer chain. |
| **Which cable length is selected for Bently Nevada 330130-040-00-CN?** | The selected cable length is 4.0 m. |
| **Which cable construction applies to Bently Nevada 330130-040-00-CN?** | It uses standard insulated coaxial cable construction. |
| **How is Bently Nevada 330130-040-00-CN matched to a Proximitor sensor?** | Probe length plus extension-cable length must equal the Proximitor system length. |

# Engineering checks and acceptance

## PRODUCT PRECAUTIONS

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|---|---|
| 01 | Confirm the complete 330130-040-00-CN marking before replacement. |
| 02 | Add probe and extension-cable lengths and compare the result with the Proximitor system length. |
| 03 | Protect both coaxial contacts from dirt, moisture and impact. |
| 04 | Do not pull, crush, kink or sharply bend the cable. |
| 05 | Do not shorten or splice the calibrated extension cable. |
| 06 | Support the run so machine motion does not load either connector. |
| 07 | Engage each connector fully and restore the specified environmental protection. |
| 08 | Verify static gap, OK status and dynamic signal response after reconnection. |

## RELEASE EVIDENCE

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|---|---|
| **Exact identity** | Product marking and intended system position agree. |
| **Interface condition** | Mounting, connectors, terminals and cable routing are secure. |
| **Signal response** | The expected static and dynamic behavior has been observed. |
| **Protection state** | Channel status, alarms and controlled bypass state are restored. |

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|---|---|
| **IMPORTANT NOTICE** | Use the complete ordering string and verify every mating component before installation. |

## APPLICATION BOUNDARIES

| | |
|---|---|
| **Probe connection** | Join a compatible 3300 XL probe to the selected Proximitor sensor. |
| **Radial-vibration loop** | Maintain the calibrated signal path for a qualified shaft-vibration channel. |
| **Axial-position loop** | Carry the proximity signal for a position-measurement chain. |
| **Maintenance replacement** | Restore the exact cable length and construction used by the installed loop. |

# Technical questions and related models

## MODEL-SPECIFIC QUESTIONS

| | |
|---|---|
| **What role does Bently Nevada 330130-040-00-CN perform?** | It is the calibrated extension-cable section in a 3300 XL 8 mm transducer chain. |
| **Which cable length is selected for Bently Nevada 330130-040-00-CN?** | The selected cable length is 4.0 m. |
| **Which cable construction applies to Bently Nevada 330130-040-00-CN?** | It uses standard insulated coaxial cable construction. |
| **How is Bently Nevada 330130-040-00-CN matched to a Proximitor sensor?** | Probe length plus extension-cable length must equal the Proximitor system length. |
| **Can Bently Nevada 330130-040-00-CN be shortened in the field?** | No. Shortening or splicing changes the calibrated electrical path. |
| **What should be inspected on the connectors of Bently Nevada 330130-040-00-CN?** | Check cleanliness, dryness, contact condition and full engagement. |

## RELATED MODELS ON APTERPOWER

| | |
|---|---|
| Bently Nevada 21000-34-10-20-058-04-02 | Related product reference. Review the complete ordering string before selection. |
| Bently Nevada 21500-00-32-10-00 | Related product reference. Compare the required interface and system position. |
| Bently Nevada 24701-28-05-05-064-03-02 | Related product reference. Confirm the execution independently for the intended task. |

## SOURCE AND SELECTION RECORD

| | |
|---|---|
| **Manufacturer source** | 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN |
| **Evidence boundary** | Technical statements are limited to the identified product or applicable manufacturer family. |
| **Selection control** | Use the complete ordering string and verify the installed system before purchase or installation. |

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