

# 330130-040-00-00

## 3300 XL 4.0 m Standard Extension Cable

The Bently Nevada 330130-040-00-00 is a 4.0 m standard 3300 XL extension cable for the 3300 XL 8 mm proximity transducer system. It connects a compatible 3300-series probe to a 3300 XL Proximito sensor and forms part of the calibrated signal path used for non-contact vibration and position measurement on rotating machinery.

|                     |                                        |
|---------------------|----------------------------------------|
| Manufacturer        | Bently Nevada                          |
| Complete model      | 330130-040-00-00                       |
| Product description | 3300 XL 4.0 m Standard Extension Cable |
| Prepared by         | Apter Power                            |
| Document ID         | AP-330130-040-00-00-PR-R1              |
| Revision / issue    | R1 / 2026-08-26                        |

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SCAN FOR PRODUCT & QUOTE

330130-040-00-00

# 1. Product overview and identity

The Bently Nevada 330130-040-00-00 is a 4.0 m standard 3300 XL extension cable for the 3300 XL 8 mm proximity transducer system. It connects a compatible 3300-series probe to a 3300 XL Proximitor sensor and forms part of the calibrated signal path used for non-contact vibration and position measurement on rotating machinery.

## System function

The cable carries the probe's high-frequency eddy-current signal to the compatible Proximitor sensor. The Proximitor sensor conditions that signal and provides an output proportional to the gap between the probe tip and a conductive target. The extension cable does not measure vibration or displacement independently; correct probe, cable and sensor matching is required for the published system performance.

## Verified technical information

| Parameter                        | Verified value                                          |
|----------------------------------|---------------------------------------------------------|
| Complete model                   | 330130-040-00-00                                        |
| Product family                   | 3300 XL extension cable                                 |
| Cable length code 040            | 4.0 m (13.1 ft)                                         |
| Cable option code 00             | Standard cable                                          |
| Agency approval code 00          | Not required                                            |
| Cable construction               | FEP-insulated triaxial cable, 75 ohm                    |
| Maximum outside diameter         | 3.7 mm (0.15 in)                                        |
| Connector arrangement            | Miniature male and miniature female coaxial connectors  |
| Nominal DC resistance            | 0.88 +/- 0.13 ohm, center conductor to center conductor |
| Standard cable temperature range | -52 degC to +177 degC (-62 degF to +350 degF)           |
| Cable length tolerance           | +20%, -0%                                               |

## 2. Integration and verification

### Signals and data handled

High-frequency proximity-probe signal within a matched 3300 XL 8 mm transducer system. The installed system can support radial vibration and axial or shaft-position measurements; the monitored variable is determined by the probe location and the connected monitoring channel.

### Companion components

A compatible 3300 XL 8 mm probe, a compatible 3300 XL Proximitor sensor, approved connector protection, and the applicable machinery-monitoring channel, extension wiring and installation hardware.

### Common industrial applications

Matched proximity-transducer loops on turbines, compressors, pumps, motors and generators, including radial vibration and shaft-position measurements where a 4.0 m extension cable produces the required documented total system length.

### Product precautions

- Match the probe, extension cable and Proximitor sensor to the required total electrical system length; do not splice, shorten or extend the cable.
- Keep connectors clean and dry, fully engage the connector locking mechanism and protect the probe-to-extension-cable junction according to the manufacturer instructions.
- Avoid sharp bends, abrasion, crushing, hot surfaces and electrically noisy routing; verify cable condition and system output after installation.
- The supplied silicone tape is not recommended where the probe-to-extension-cable connection is exposed to turbine oil; use the applicable manufacturer connector-protection method.

### Manufacturer publications

| Manufacturer publication                                                         | Source access                               |
|----------------------------------------------------------------------------------|---------------------------------------------|
| Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AM | <a href="#">Open source in a new window</a> |

Only information traceable to the named manufacturer publications is stated. Missing electrical, dimensional, lifecycle, origin and compatibility values are intentionally not inferred. Confirm the complete physical nameplate, revision, approvals, wiring and current manufacturer instructions before use.