

330130-040-00-00

Installation and Verification Reference

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
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com



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1. System role

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.

What the product handles

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.

Required 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.

Where it is used

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.

Pre-installation record

Parameter	Verified value
Identity	Record complete model 330130-040-00-00 and every revision/suffix from the nameplate
Evidence	Retain the named manufacturer publication and site-approved drawings
Configuration	Back up the approved controller, network or module configuration
Connections	Label cables, terminals, module positions and field wiring
Commissioning	Define a point-by-point or communication verification plan

2. Installation and commissioning controls

Recommended verification sequence

Parameter	Verified value
1 - Identify	Match the complete nameplate and physical construction
2 - Isolate	Follow site lockout, electrical-safety and ESD procedures
3 - Compare	Confirm companion hardware, cables, termination and revision compatibility
4 - Install	Use manufacturer mounting, grounding and environmental requirements
5 - Configure	Restore only the approved configuration and documented settings
6 - Test	Verify communications, diagnostics and every affected process or safety function
7 - Release	Record results and obtain the required site authorization

Model-specific precautions

- Match the probe, extension cable and Proximity 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	Open source in a new window

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