

APTER POWER PRODUCT MANUAL

330877-80-36-00

3300 XL 50 mm FluidLoc extension cable

The 330877-80-36-00 is supplied as a Bently Nevada 3300 XL 50 mm extension-cable marking. The official family table identifies 330877 as the extension cable, 36 as FluidLoc cable, and 00 as no approvals; the supplied 80 length field does not reproduce the current three-character 080 format and must be confirmed on the nameplate.

The extension cable carries the probe's high-frequency eddy-current signal to the 330878 Proximito Sensor while completing the calibrated total system length. Correct probe-plus-cable length is essential because cable electrical characteristics are part of the transducer calibration.

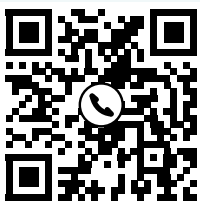
Manufacturer	Bently Nevada
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Complete the system length. Preserve signal matching.

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SCAN FOR PRODUCT & QUOTE
330877-80-36-00

1. Product Overview and Identity

The 330877-80-36-00 is supplied as a Bently Nevada 3300 XL 50 mm extension-cable marking. The official family table identifies 330877 as the extension cable, 36 as FluidLoc cable, and 00 as no approvals; the supplied 80 length field does not reproduce the current three-character 080 format and must be confirmed on the nameplate.

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Model Configuration

Code	Officially supported interpretation
330877	3300 XL 50 mm extension cable family
80	Supplied shortened length field; current standard table uses 080 for 8.0 m
36	FluidLoc cable option
00	No-approvals option

Key Features

- Official 330877 50 mm extension-cable family
- FluidLoc cable option verified
- Completes calibrated probe-to-sensor system length
- Shortened supplied length code preserved for traceability

2. Technical Specifications

Only Bently Nevada-published family or exact-part information is stated. Nonstandard, placeholder, legacy-style, or MOD-controlled fields are identified rather than inferred.

Parameter	Verified value or limitation
Product Type	3300 XL 50 mm extension cable
Current Standard Cable Length Options	040 (4.0 m) or 080 (8.0 m)
Supplied Length Marking	80; verify whether it corresponds to legacy or nameplate format
Cable Option 36	FluidLoc cable
Approval Option 00	No approvals
System-Matching Rule	Probe length plus extension-cable length must equal the Proximitor Sensor total length
Cable Construction	High-temperature FluidLoc coaxial cable with PFA jacket
Minimum Cable Bend Radius	25.4 mm (1.0 in)
Operating and Storage Temperature	-35 C to +200 C
Exact Supplied-Code Mass	Not separately published

Configuration-Control Note

Datasheet 174014 lists the standard format 330877-AAA-BB-CC. The supplied exact string uses 80 rather than the current 080 field, so it is retained as supplied and flagged for nameplate verification rather than silently changed.

3. Functions, Applications and Components

Core Functions

- Carries the probe signal to the Proximitor Sensor
- Completes the calibrated total system length
- Maintains the specified cable electrical characteristics
- Supports routing between the machine probe and signal-conditioning location

Application Areas

Application	System role
Steam Turbine Differential Expansion	Routes the 50 mm probe signal to the sensor
Large-Displacement Monitoring	Completes a matched long-range transducer system
Remote Sensor Mounting	Separates the machine probe location from electronics
High-Temperature Cable Routes	Uses the FluidLoc cable family construction

Compatible Components

- 3300 XL 50 mm probe selected for the same total system length
- 330878 3300 XL 50 mm Proximitor Sensor
- Approved ClickLoc connector interfaces and protectors
- Bently Nevada monitor channel configured for the matched 50 mm system

Lifecycle Status

Baker Hughes publishes the 330877 extension-cable family in Datasheet 174014 Rev. L. The supplied two-character length marking requires nameplate or legacy-document confirmation.

4. Installation Precautions

- Confirm whether the physical cable marking is 80 or 080 before installation
- Ensure probe length plus cable length equals the sensor calibration length
- Do not substitute cable families or alter the cable without system verification
- Protect connector interfaces and observe the minimum bend radius
- Verify approval and environmental requirements at the installation site

STOP - Verify before installation

Datasheet 174014 lists the standard format 330877-AAA-BB-CC. The supplied exact string uses 80 rather than the current 080 field, so it is retained as supplied and flagged for nameplate verification rather than silently changed.

Use the physical nameplate and current Bently Nevada documentation as the controlling records.

5. Official Source and Use Notice

Official source

Baker Hughes / Bently Nevada 3300 XL 50 mm Proximity Transducer System Datasheet 174014 Rev. L

Apter Power product page

<https://www.apterpower.com/Bently-Nevada/330877-80-36-00>

Use Notice

This original Apter Power reference is prepared from the named Bently Nevada source. It is not a manufacturer publication and does not replace the official datasheet, physical nameplate, certificate, MOD or legacy drawing, installation instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.