

INDUSTRIAL AUTOMATION PRODUCT

330854-080-24-00

3300 XL 25 mm High-Temperature FluidLoc Extension Cable

Bently Nevada 330854-080-24-00 is an 8.0 m high-temperature FluidLoc extension cable for a matched 3300 XL 25 mm proximity transducer system. Its probe and extension-cable lengths must equal the selected Proximitor Sensor system length.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Part number	330854-080-24-00
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 330854-080-24-00 only in the documented Bently Nevada 3300 XL 25 mm Proximity Transducer System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and high-temperature probe-to-Proximitor signal connection for extended-range differential-expansion measurement under controlled conditions.

System Role and Architecture

Bently Nevada 330854-080-24-00 is an 8.0 m high-temperature FluidLoc extension cable for a matched 3300 XL 25 mm proximity transducer system. Its probe and extension-cable lengths must equal the selected Proximitor Sensor system length.

FUNCTION 1
Exact article identity 330854-080-24-00

FUNCTION 2
3300 XL 25 mm High-Temperature FluidLoc Extension Cable

FUNCTION 3
Documented role: high-temperature probe-to-Proximitor signal connection for extended-range differential-expansion measurement

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

1 Bently Nevada 330704-0-50-10-02-05

2 Bently Nevada 330500-07-00

3 Bently Nevada 330705-02-18-10-02-00

4 Bently Nevada 330701-00-10-10-02-00

5 Bently Nevada 330980-70-05

6 Bently Nevada 330930-060-03-05

7 Bently Nevada 330180-X1-00-MOD-145004-09

8 Bently Nevada 330330-080-01-00

9 Bently Nevada 330330-070-00-00

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 3300 XL 25 mm Proximity Transducer System
02	Matched Bently Nevada host module, Proximitor Sensor or rack position
03	Documented wiring, cable route, connectors, shields and grounding
04	Approved configuration and controlled acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Interface role	high-temperature probe-to-Proximitor signal connection for extended-range differential-expansion
Field / power context	documented machinery-monitoring rack or matched transducer-loop position
Commissioning evidence	Identity, interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete 330854-080-24-00 marking, product role and documented installation position.
- 2
- Place the machinery protection system and connected process in the approved maintenance state.
- 3
- Isolate power and field circuits, prove the safe state and apply ESD controls where required.

4

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Extension cable model	330854	Coaxial resistance at 8.0 m	0.6 +/- 0.2 ohm
Cable length	8.0 m (26.2 ft)	Typical capacitance	69.9 pF/m (21.3 pF/ft)
Armor and cable option	High-temperature FluidLoc cable	Connectors	Miniature male and female coaxial connectors
Armor	Without stainless-steel armor	Matched system lengths	5 m or 9 m according to Proximitor Sensor
Agency approval option	No approvals	System linear range	12.7 mm (500 mil)
Cable construction	75 ohm triaxial PFA-insulated FluidLoc cable	System average scale factor	0.787 V/mm (20 mV/mil)
Core resistance at 8.0 m	2.0 +/- 0.5 ohm	System frequency response	0 to 2.7 kHz typical

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8Bently Nevada 330330-080-01-00

9Bently Nevada 330330-070-00-00

ENGINEERING BOUNDARY

Confirm 330854-080-24-00, its matched Bently Nevada 3300 XL 25 mm Proximity Transducer System host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 330854-080-24-00 marking, product role and documented installation position.
- 2

Place the machinery protection system and connected process in the approved maintenance state.
- 3

Isolate power and field circuits, prove the safe state and apply ESD controls where required.
- 4

Record every mating component, terminal, connector, shield, cable route and configuration assignment.

Applications and Engineering Context

Machinery-protection planned maintenance

Restores high-temperature probe-to-Proximitor signal connection for extended-range differential-expansion measurement in the documented monitoring architecture.

3300 XL 25 mm High-Temperature FluidLoc Extension Cable replacement

Uses exact 330854-080-24-00 identity instead of an adjacent order-code execution.

Monitoring-system refurbishment

Preserves the installed host position, mating interfaces, wiring and approved configuration.

Controlled recommissioning

Confirms diagnostics and the affected measurement or communication function before operation.

TECHNICAL NOTE

Install 330854-080-24-00 only in the documented Bently Nevada 3300 XL 25 mm Proximity Transducer System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and high-temperature probe-to-Proximitor signal connection for extended-range differential-expansion measurement under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330854-080-24-00 recorded
Host / carrier	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Physical interface	Installed mating components and field interfaces matched to the as-found record
Configuration	Approved rack, channel or transducer-loop configuration restored
Functional proof	Controlled test confirms high-temperature probe-to-Proximitor signal connection for extended-range differential-expansion measurement

IMPORTANT NOTICE

Confirm 330854-080-24-00, its matched Bently Nevada 3300 XL 25 mm Proximity Transducer System host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Bently Nevada 330704-0-50-10-02-05

View Bently Nevada 330704-0-50-10-02-05 page

2

Bently Nevada 330500-07-00

View Bently Nevada 330500-07-00 page

3

Bently Nevada 330705-02-18-10-02-00

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4

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5

Bently Nevada 330980-70-05

View Bently Nevada 330980-70-05 page

6

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7

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8

Bently Nevada 330330-080-01-00

View Bently Nevada 330330-080-01-00 page

9

Bently Nevada 330330-070-00-00

View Bently Nevada 330330-070-00-00 page

MANUFACTURER SOURCE RECORD

3300 XL 25 mm Proximity Transducer System Datasheet 163236 Rev. M | Baker Hughes / Bently Nevada official manufacturer evidence, verified 28 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.