

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

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3300 XL 25 mm

PART

330854-080-24-00

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

330854-080-24-00 provides high-temperature probe-to-Proximator signal connection for extended-range differential-expansion measurement for a matched Bently Nevada 3300 XL 25 mm Proximity Transducer

- Exact article identity 330854-080-24-00
- 3300 XL 25 mm High-Temperature FluidLoc Extension Cable
- Documented role: high-temperature probe-to-Proximator signal connection for
- Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES		
1	Bently Nevada 330903-00-07-10-01-00	2
		Bently Nevada 330162-03-45-45-05-94-01-02
3	Bently Nevada 330101-00-60-90-01-05	
4	Bently Nevada 330104-11-25-10-02-00	5
		Bently Nevada 330102-04-25-10-02-00
6	Bently Nevada 330910-00-07-05-02-05	
7	Bently Nevada 330102-00-20-10-02-00	8
		Bently Nevada 330101-00-60-10-02-05
9	Bently Nevada 330101-00-40-10-02-05	

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximator Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented host position, mating hardware, wiring or cable route and approved configuration. Commissioning preserves that architecture and verifies controlled response.

TECHNICAL DATA

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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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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Machinery-protection planned maintenance

Restores high-temperature probe-to-Proximitor signal connection for extended-range differential-expansion

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.

PRODUCT PRECAUTIONS

- 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.
- 5
- Verify all manufacturer-documented mechanical and electrical values for this exact execution.
- 6
- Restore the matched host, interfaces, grounding, shielding and approved configuration.
- 7
- Energize under control and review rack, channel or transducer-loop diagnostics.
- 8
- Complete a controlled functional test of high-temperature probe-to-Proximitor signal connection

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ENGINEER FAQ

Q1

How is 330854-080-24-00 identified before installation?

Match the complete 330854-080-24-00 marking, the 3300 XL 25 mm High-Temperature FluidLoc Extension Cable designation and the documented host position; do not substitute a neighboring suffix.

Q2

What function is assigned to 330854-080-24-00?

Bently Nevada documents it for high-temperature probe-to-Proximitors signal connection for extended-range differential-expansion measurement in the matched Bently Nevada 3300 XL 25 mm Proximity

Q3

What official cable length applies to 330854-080-24-00?

The manufacturer record specifies 8.0 m (26.2 ft); verify the installed execution before work.

Q4

Which armor and cable option must be matched for 330854-080-24-00?

The documented value is High-temperature FluidLoc cable. Preserve the associated mechanical, electrical and system interfaces.

Q5

How should the armor of 330854-080-24-00 be checked?

Confirm armor as Without stainless-steel armor and compare it with the as-found installation record.

Q6

What must be recorded before replacing 330854-080-24-00?

Record the exact identity, installed position, mating components, wiring or cable route, configuration, active diagnostics and baseline response before disconnection.

Q7

What connection checks apply to 330854-080-24-00?

Keep every connector clean and correctly seated, preserve shields and grounding, observe documented torque or bend limits and restore the matched system arrangement.

Q8

How is 330854-080-24-00 accepted after installation?

Restore the recorded interfaces and configuration, review diagnostics, then complete a controlled test of high-temperature probe-to-Proximitors signal connection for extended-range differential-expansion

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SOURCE

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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