

INDUSTRIAL AUTOMATION PRODUCT

330854-080-25-00

3300 XL 25 mm High-Temperature Extension Cable

Bently Nevada 330854-080-25-00 is an 8.0 m armored high-temperature FluidLoc extension cable for the 3300 XL 25 mm proximity transducer system. It completes the documented electrical length between the probe and the matching Proximitor Sensor.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Part number	330854-080-25-00
Product role	Extends the 25 mm probe signal to the Proximitor Sensor
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Install 330854-080-25-00 only in the documented Bently Nevada 3300 XL 25 mm Proximity Transducer System arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

APTER POWER SALES TEAM

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330854-080-25-00

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	USA	Cable construction	Armored high-temperature
HS code	8537101190	Connector type	FluidLoc
Cable model	330854	System family	3300 XL 25 mm
Cable length	8.0 m	Approval option	Not required

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Primary system role	Extends the 25 mm probe signal to the Proximitor Sensor
Connection boundary	Install 330854-080-25-00 only in the documented Bently Nevada 3300 XL 25 mm Proximity Transducer System arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.
Controlled acceptance duty	Steam-turbine differential expansion

ENGINEERING BOUNDARY

Confirm the complete 330854-080-25-00 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Pre-Installation Checks

- 1

Confirm the complete 330854-080-25-00 cable marking and 8.0 m code.
- 2

Place the monitored machine and protection channel in the approved maintenance state.
- 3

Isolate the Proximitor Sensor supply before opening either cable connection.
- 4

Inspect armor, jacket, bend radius and the complete routed length.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	330854-080-25-00
Installed host	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Bently Nevada 330854-080-25-00 is an 8.0 m armored high-temperature FluidLoc extension cable for the 3300 XL 25 mm proximity transducer system. It completes the documented electrical length between the probe and the matching Proximitor Sensor.

FUNCTION 1

Extends the 25 mm probe signal to the Proximitor Sensor

FUNCTION 2

Uses armored construction for protected routing

FUNCTION 3

Provides FluidLoc connections for the specified high-temperature cable

FUNCTION 4

Maintains the calibrated total length of the transducer system

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Bently Nevada 3300 XL 25 mm Proximity Transducer System
2	8537101190
3	Steam-turbine differential expansion
4	Install 330854-080-25-00 only in the documented Bently Nevada 3300 XL 25 mm Proximity Transducer System arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Interface role	Extends the 25 mm probe signal to the Proximitor Sensor
Field / power context	Use 330854-080-25-00 only with its documented host, interfaces and accessories; record the as-found arrangement and complete a controlled functional verification after installation.
Commissioning evidence	Set the probe gap and prove polarity, linear response and alarm action before release.

Installation and Connection Checks

1

Keep FluidLoc connectors clean, dry and protected from mechanical damage.

2

Confirm probe, extension cable and Proximitor Sensor form the approved total length.

3

Restore shielding, grounding and monitor-channel configuration.

4

Set the probe gap and prove polarity, linear response and alarm action before release.

MANUFACTURER SOURCE RECORD

3300 XL 25 mm Proximity Transducer System Datasheet
Baker Hughes document 163236 Rev. M

Applications and Engineering Context

Steam-turbine differential expansion

Carries a 25 mm probe signal across the engineered machine-to-panel route.

High-temperature probe routing

Provides the documented cable execution near elevated-temperature machine locations.

Large-shaft axial position loops

Completes the matched signal path for extended-range displacement measurement.

25 mm system cable replacement

Restores the exact cable length and connector execution without changing loop calibration.

TECHNICAL NOTE

Install 330854-080-25-00 only in the documented Bently Nevada 3300 XL 25 mm Proximity Transducer System arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	330854-080-25-00 recorded
Host / carrier	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Physical interface	Extends the 25 mm probe signal to the Proximitor Sensor
Configuration	Restore shielding, grounding and monitor-channel configuration.
Functional proof	Set the probe gap and prove polarity, linear response and alarm action before release.

IMPORTANT NOTICE

Confirm the complete 330854-080-25-00 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	330854-080-25-00
Approved role	Steam-turbine differential expansion
Final validation	Set the probe gap and prove polarity, linear response and alarm action before release.

Engineering Precautions

- 1

Confirm the complete 330854-080-25-00 cable marking and 8.0 m code.
- 2

Place the monitored machine and protection channel in the approved maintenance state.
- 3

Isolate the Proximity Sensor supply before opening either cable connection.
- 4

Inspect armor, jacket, bend radius and the complete routed length.
- 5

Keep FluidLoc connectors clean, dry and protected from mechanical damage.
- 6

Confirm probe, extension cable and Proximity Sensor form the approved total length.
- 7

Restore shielding, grounding and monitor-channel configuration.
- 8

Set the probe gap and prove polarity, linear response and alarm action before release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
330101-00-20-20-02-CN	8 mm probe	View 330101-00-20-20-02-CN page
330103-00-04-10-02-00	metric probe	View 330103-00-04-10-02-00 page
330103-00-12-10-01-00	metric probe	View 330103-00-12-10-01-00 page
330104-00-04-10-02-05	armored probe	View 330104-00-04-10-02-05 page
330104-00-12-10-02-00	armored probe	View 330104-00-12-10-02-00 page
330104-03-06-10-02-00	armored probe	View 330104-03-06-10-02-00 page
330104-06-12-10-02-00	armored probe	View 330104-06-12-10-02-00 page
330105-02-12-10-02-05	reverse-mount probe	View 330105-02-12-10-02-05 page

MANUFACTURER SOURCE RECORD

3300 XL 25 mm Proximity Transducer System Datasheet
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