

330854-080-25-00

3300 XL 25 mm High-Temperature Extension Cable

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

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.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Bently Nevada article.

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Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 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.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	330854-080-25-00
Host / carrier	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Primary system role	Extends the 25 mm probe signal to the Proximitor Sensor
Acceptance boundary	Set the probe gap and prove polarity, linear response and alarm action before release.
Source record	3300 XL 25 mm Proximity Transducer System Datasheet

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

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.

- 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.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

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

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	330854-080-25-00
Host match	Bently Nevada 3300 XL 25 mm Proximity Transducer System
Connection proof	Confirm probe, extension cable and Proximitor Sensor form the approved total length.
Configuration proof	Restore shielding, grounding and monitor-channel configuration.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

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

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

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.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
330105-02-12-10-02-05	reverse-mount probe	View 330105-02-12-10-02-05 page
330106-05-30-10-02-05	reverse-mount probe	View 330106-05-30-10-02-05 page
330130-080-00-00	extension cable	View 330130-080-00-00 page
330180-50-00	Proximitor Sensor	View 330180-50-00 page
3500/25	Keyphasor module	View 3500/25 page
3500/40M	proximity monitor	View 3500/40M page
3500/42M	seismic monitor	View 3500/42M page
3500/45	position monitor	View 3500/45 page

MANUFACTURER SOURCE RECORD

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

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