

330130-040-03-00

3300 XL 8 mm Extension Cable

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Bently Nevada 330130-040-03-00 is a 4.0 m extension cable for a matched 3300 XL 8 mm Proximity Transducer System. It carries the probe signal to the installed Proximito Sensor using the documented armored cable with cable protector execution.

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 330130-040-03-00 marking and documented 4.0 m length before work.
- 2

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

Protect all miniature coaxial interfaces from dust, moisture and mechanical damage.
- 4

Route the armored cable with cable protector cable without sharp bends, crushing or tensile loading.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	330130-040-03-00
Host / carrier	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Primary system role	Provides the documented 4.0 m extension-cable length
Acceptance boundary	Verify static gap, signal response and alarm action before returning the channel to service.
Source record	3300 XL 8 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

Before removing 330130-040-03-00, record the complete marking, installed position, mating hardware, connectors, wiring and configured channel role. Restore the documented arrangement, review system diagnostics and complete a controlled functional test before release.

- 1

Record probe, extension-cable and Proximitior Sensor identities before disconnection.
- 2

Confirm the approved total system length and connector seating at both ends.
- 3

Restore polarity and channel configuration before enabling dynamic measurements.
- 4

Verify static gap, signal response and alarm action before returning the channel to service.

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 330130-040-03-00, the complete 3300 XL 8 mm probe and Proximitior Sensor combination, 4.0 m cable execution, connector condition, total system length, routing, grounding, monitor configuration, static gap and controlled response-test results before commissioning.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	330130-040-03-00
Host match	Bently Nevada 3300 XL 8 mm Proximity Transducer System
Connection proof	Confirm the approved total system length and connector seating at both ends.
Configuration proof	Restore polarity and channel configuration before enabling dynamic measurements.

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

Verify static gap, signal response and alarm action before returning the channel to service.

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

Radial vibration transducer loops

Extends the matched probe connection to an installed 3300 XL 8 mm Proximitor Sensor.

Axial position monitoring

Preserves the engineered total system length for a thrust-position measurement channel.

Machine centerline observation

Routes a documented proximity signal from the machine casing to monitoring hardware.

Proximity-loop cable replacement

Restores the exact extension-cable execution without changing the approved transducer arrangement.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
330180-50-00	Proximitor Sensor	View 330180-50-00 page
3500/25	Keyphasor module	View 3500/25 page
3500/40M	Proximitor monitor	View 3500/40M page
3500/42M	monitor I/O module	View 3500/42M page
130118-0050-02	host-to-rack communication cable	View 130118-0050-02 page
3500/53	overspeed detection module	View 3500/53 page
3500/72M	reciprocating-rod monitor	View 3500/72M page
330101-00-08-05-02-05	8 mm proximity probe	View 330101-00-08-05-02-05 page

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet
Baker Hughes publication 141194 Rev. AM

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