

330877-080-37-00

3300 XL 50 mm armored FluidLoc extension cable

CONTROLLED ENGINEERING COPY

Match 330877-080-37-00 only with the nine-metre 50 mm Proximity Sensor and one-metre probe, support the armored PFA cable above its bend radius, and verify connector cleanliness before long-range displacement calibration.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330877-080-37-00
Manufacturer part	330877-080-37-00
Hardware type	330877-080-37-00
System family	3300 XL 50 mm Proximity Transducer System



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete 330877-080-37-00 marking and its documented 3300 XL 50 mm Proximity Transducer System position before field work.
- 2

Place the monitored machine and associated protection channel in the approved maintenance state before disconnecting 3300 XL 50 mm armored FluidLoc extension cable.
- 3

Protect every exposed connector and cable end from oil, moisture, dirt and impact while 330877-080-37-00 is open.
- 4

Record probe, extension-cable and Proximitor Sensor identities so the calibrated system length is preserved.
- 5

Route 330877-080-37-00 without sharp bends, crushing, abrasion or tensile loading at either coaxial termination.

MATCHED HARDWARE

- one-metre 3300 XL 50 mm probe
- nine-metre 3300 XL 50 mm Proximitor Sensor
- gold-plated coaxial connectors
- compatible long-range displacement monitor

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	330877-080-37-00 / 330877-080-37-00 recorded
Physical interface	one-metre 3300 XL 50 mm probe
Companion check	nine-metre 3300 XL 50 mm Proximitor Sensor
Functional proof	Extends a 50 mm proximity loop by eight metres
Application test	Steam-turbine differential expansion

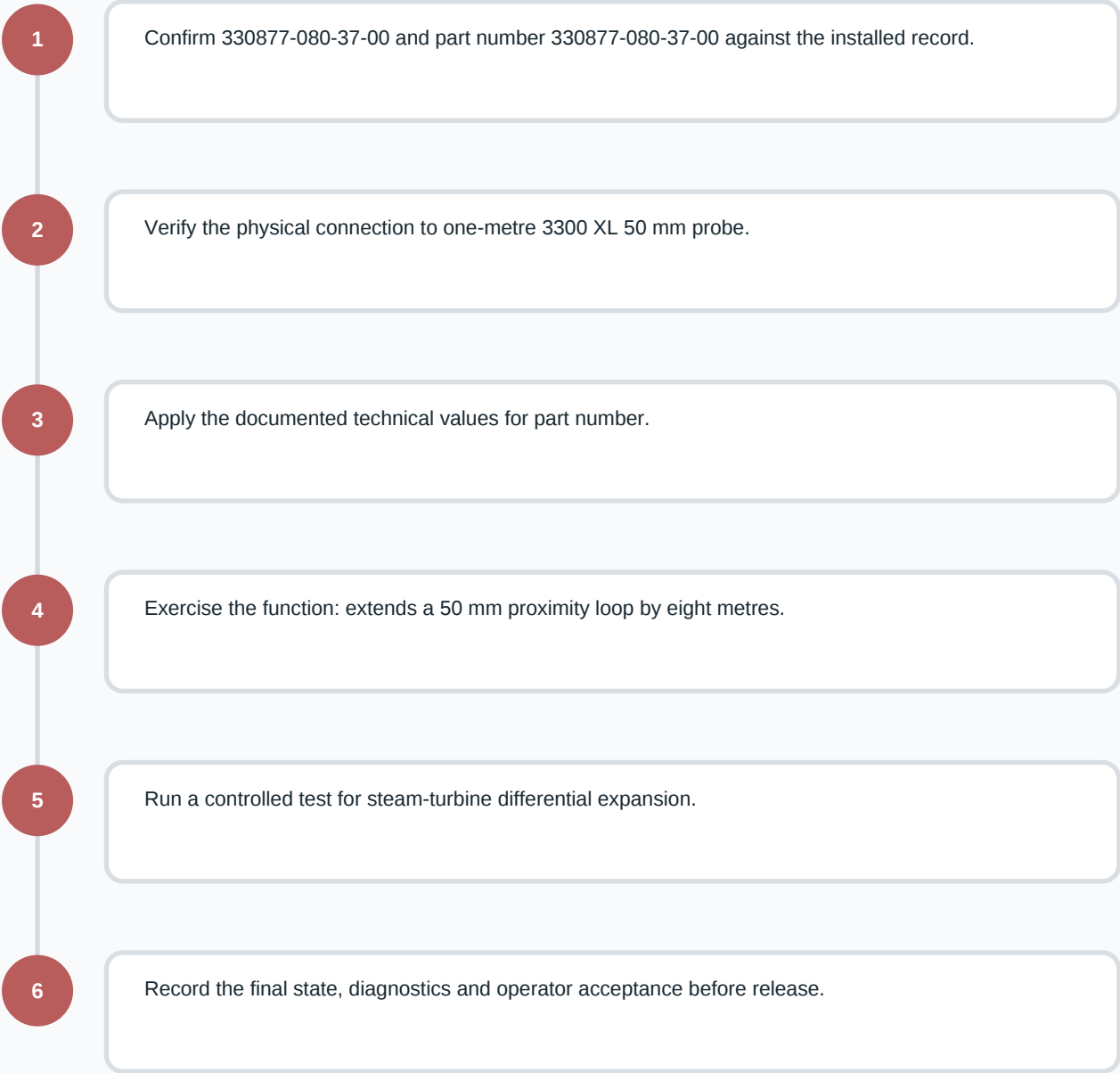
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Part number	330877-080-37-00
Cable length	8.0 m (26.2 ft)
Cable type	FluidLoc
Cable armor	Stainless steel with PFA jacket
Agency approval option	00
Cable impedance	75 ohm triaxial
Cable insulation	PFA
Core resistance	2.0 +/- 0.5 ohm
Jacket resistance	0.6 +/- 0.2 ohm
Capacitance	69.9 pF/m typical
Minimum bend radius	25.4 mm (1.0 in)
Operating and storage temperature	-51 to +200 degC
Maximum connector torque	0.565 N m (5 in lbf)

FIELD NOTE

Match 330877-080-37-00 only with the nine-metre 50 mm Proximity Sensor and one-metre probe, support the armored PFA cable above its bend radius, and verify connector cleanliness before long-range displacement calibration.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	330877-080-37-00 / 330877-080-37-00 recorded
Physical interface	one-metre 3300 XL 50 mm probe
Companion check	nine-metre 3300 XL 50 mm Proximity Sensor
Functional proof	Extends a 50 mm proximity loop by eight metres
Application test	Steam-turbine differential expansion

04 RETURN-TO-SERVICE RECORD

- ☐ Clean and finger-tighten each ClickLoc connection; never transfer connector torque or wiring practice from a different transducer family.
- ☐ Set the static gap only after mechanical mounting and the complete matched loop have been confirmed.
- ☐ Verify polarity, dynamic response and alarm action before returning the machinery-protection channel to service.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	330877-080-37-00
INSTALLED POSITION	Documented 3300 XL 50 mm Proximity Transducer System position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330101-00-20-90-02-05	Related Bently Nevada product	View 330101-00-20-90-02-05 page
177230-01-02-05	Related Bently Nevada product	View 177230-01-02-05 page
177230-00-01-05	Related Bently Nevada product	View 177230-00-01-05 page
330105-XX-XX-10-02-CN-MO. ..	Related Bently Nevada product	View 330105-XX-XX-10-02-CN-MO... page
792414506-04	Related Bently Nevada product	View 792414506-04 page
330101-00-16-10-02-05	Related Bently Nevada product	View 330101-00-16-10-02-05 page
330103-00-13-05-02-05	Related Bently Nevada product	View 330103-00-13-05-02-05 page
330854-040-25-05	Related Bently Nevada product	View 330854-040-25-05 page

SOURCE IDENTIFIERS

3300 XL 50 mm Proximity Transducer System Datasheet
174014 Rev. L

APTER POWER SALES TEAM

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

