

330854-080-05

3300 XL 25 mm extension cable

Matched 75-ohm coaxial proximity signal between probe and Proximator Sensor

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 25 mm Proximity Transducer System

PART

330854-080-05

ORIGIN / HS

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PRODUCT OVERVIEW

Matched 75-ohm coaxial proximity signal between probe and Proximator Sensor

1

Provides an eight-metre 75-ohm coaxial signal path

2

Completes a documented nine-metre 25 mm system with a one-metre probe

3

Preserves the documented matched-cable electrical path

4

Carries the approved multiple-approval execution

SYSTEM COMPONENTS

one-metre 3300 XL 25 mm probe

nine-metre 25 mm Proximator Sensor

ClickLoc connector interfaces

approved cable supports

TECHNICAL NOTE

Verify 330854-080-05, the eight-metre length; make sure probe plus cable equals the Proximator system length and prove connector cleanliness, continuity and scale.

TECHNICAL DATA

PARAMETER	VALUE
Cable model	330854
Cable length	8.0 m (26.2 ft)
Agency approval option	Multiple approvals
Cable impedance	75 Ohm
Cable capacitance	69.9 pF/m typical

PARAMETER	VALUE
Minimum bend radius	25.4 mm (1.0 in)
Extension-cable resistance	Core 2.0 +/-0.5 Ohm; jacket 0.6 +/-0.2 Ohm
Operating temperature	-35 to +200 degC
Short-term temperature	+250 degC maximum for less than 24 h

ENGINEERING NOTE

Verify 330854-080-05, the eight-metre length; make sure probe plus cable equals the Proximator system length and prove connector cleanliness, continuity and scale.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
162381-064-028-50-05	Related Bently Nevada product	View 162381-064-028-50-05 page
200151-XX-XX-XX-MOD-3233...	Related Bently Nevada product	View 200151-XX-XX-XX-MOD-3233... page
162381-078-027-50-05	Related Bently Nevada product	View 162381-078-027-50-05 page
330103-00-12-10-12-05	Related Bently Nevada product	View 330103-00-12-10-12-05 page
9200-06-01-11-04	Related Bently Nevada product	View 9200-06-01-11-04 page
330851-04-000-030-10-01-05	Related Bently Nevada product	View 330851-04-000-030-10-01-05 page
84510-30	Related Bently Nevada product	View 84510-30 page
330104-10-15-10-01-05	Related Bently Nevada product	View 330104-10-15-10-01-05 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Remote 25 mm Proximitors connection

Provides an eight-metre 75-ohm coaxial signal path

Turbine expansion-signal routing

Completes a documented nine-metre 25 mm system with a one-metre probe

High-temperature cable path

Preserves the documented matched-cable electrical path

Matched extension-cable renewal

Carries the approved multiple-approval execution

PRODUCT PRECAUTIONS

- 1 Verify 330854-080-05, the eight-metre tag before routing.
- 2 Place the associated displacement channel in the approved maintenance state.
- 3 Inspect the jacket, connector bodies and sealing surfaces before installation.
- 4 Support the cable without tension and maintain the documented minimum bend radius.
- 5 Keep both ClickLoc connections clean, dry and fully engaged.
- 6 Match probe plus extension cable to the nine-metre 25 mm Proximitors Sensor.
- 7 Check core and jacket continuity without disturbing calibrated connector hardware.
- 8 Verify gap voltage, scale, polarity and dynamic response after reconnection.

ENGINEER FAQ

Q1 Does 330854-080-05 match one-metre 3300 XL 25 mm probe in a Remote 25 mm Proximitor connection installation?

Verify the complete 330854-080-05 marking, the documented 3300 XL 25 mm Proximity Transducer System position and the installed one-metre 3300 XL 25 mm probe before fitting the assembly.

Q3 Which 3300 XL 25 mm Proximity Transducer System records should be captured before removing 330854-080-05?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330854-080-05 before disconnection.

Q5 Which nine-metre 25 mm Proximitor Sensor condition should be checked when 330854-080-05 reports an abnormal state?

Check the nine-metre 25 mm Proximitor Sensor supply, seating and connection first, then compare channel diagnostics with the recorded 330854-080-05 baseline.

Q7 What maintenance evidence is required after 330854-080-05 is used for High-temperature cable path?

Retain the nameplate record, corrective action, final diagnostics and a controlled high-temperature cable path functional-test result for 330854-080-05.

Q2 How should 330854-080-05 be wired when it must provides an eight-metre 75-ohm coaxial signal path?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330854-080-05; then continuity-test the affected path.

Q4 What controlled test confirms that 330854-080-05 can completes a documented nine-metre 25 mm system with a one-metre probe?

Apply the approved field or simulated stimulus, observe the 3300 XL 25 mm Proximity Transducer System indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 330854-080-05 be moved directly into Turbine expansion-signal routing without validating approved cable supports?

No. Confirm the approved cable supports, revision, connection scheme and 3300 XL 25 mm Proximity Transducer System configuration before transferring 330854-080-05 to that duty.

Q8 How should 330854-080-05 be returned to service in Matched extension-cable renewal?

Restore power under control, verify preserves the documented matched-cable electrical path, exercise the intended signal path and release 330854-080-05 only after the 3300 XL 25 mm Proximity Transducer System remains in its approved operating state.

SOURCE Bently Nevada 3300 XL 25 mm Proximity Transducer System Datasheet | 163236 Rev. M

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