

INDUSTRIAL AUTOMATION PRODUCT

330854-080-24-05

3300 XL 25 mm extension cable

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

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 25 mm Proximity Transducer System
Part number	330854-080-24-05
Country	USA
HS code	8537101190

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2

Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
Cable model	330854
Cable length	8.0 m (26.2 ft)
Cable construction	Unarmored high-temperature FluidLoc cable
Agency approval option	Multiple approvals
Cable impedance	75 Ohm
Cable capacitance	69.9 pF/m typical
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 DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	one-metre 3300 XL 25 mm probe
Companion hardware	nine-metre 25 mm Proximitor Sensor
Field connection	ClickLoc connector interfaces
Primary system function	Provides an eight-metre 75-ohm coaxial signal path
Controlled acceptance duty	Remote 25 mm Proximitor connection

3

System Role and Architecture

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

FUNCTION 1

Provides an eight-metre 75-ohm coaxial signal path

FUNCTION 2

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

FUNCTION 3

Uses the unarmored high-temperature fluidloc cable construction

FUNCTION 4

Carries the approved multiple-approval execution

Matched system components

- one-metre 3300 XL 25 mm probe
- nine-metre 25 mm Proximitor Sensor
- ClickLoc connector interfaces
- approved cable supports

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	one-metre 3300 XL 25 mm probe
Companion hardware	nine-metre 25 mm Proximitor Sensor
Field connection	ClickLoc connector interfaces
Primary system function	Provides an eight-metre 75-ohm coaxial signal path
Controlled acceptance duty	Remote 25 mm Proximitor connection

4

Applications and Engineering Context

Remote 25 mm Proximator 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

Uses the unarmored high-temperature fluidloc cable construction

Matched extension-cable renewal

Carries the approved multiple-approval execution

TECHNICAL NOTE

Verify 330854-080-24-05, the eight-metre length and unarmored high-temperature fluidloc cable construction; make sure probe plus cable equals the Proximator system length and prove connector cleanliness, continuity and scale.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330854-080-24-05 / 330854-080-24-05 recorded
Physical interface	one-metre 3300 XL 25 mm probe
Companion check	nine-metre 25 mm Proximator Sensor
Functional proof	Provides an eight-metre 75-ohm coaxial signal path
Application test	Remote 25 mm Proximator connection

5

Engineering Precautions

- 1 Verify 330854-080-24-05, the eight-metre tag and unarmored high-temperature fluidloc cable execution 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER 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
330104-08-13-10-01-05	Related Bently Nevada product	View 330104-08-13-10-01-05 page
330101-00-16-05-11-05	Related Bently Nevada product	View 330101-00-16-05-11-05 page
330105-02-12-90-12-00	Related Bently Nevada product	View 330105-02-12-90-12-00 page
24701-34-05-00-041-03-02	Related Bently Nevada product	View 24701-34-05-00-041-03-02 page
84661-34	Related Bently Nevada product	View 84661-34 page

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL 25 mm Proximity Transducer System Datasheet

163236 Rev. M

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