

INDUSTRIAL AUTOMATION PRODUCT

330854-080-05

3300 XL 25 mm extension cable

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

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

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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)
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 Proximito Sensor
Field connection	ClickLoc connector interfaces
Primary system function	Provides an eight-metre 75-ohm coaxial signal path
Controlled acceptance duty	Remote 25 mm Proximito connection

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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

Preserves the documented matched-cable electrical path

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

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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

Preserves the documented matched-cable electrical path

Matched extension-cable renewal

Carries the approved multiple-approval execution

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330854-080-05 / 330854-080-05 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

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Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
TK-3E-177313-02-01	Related Bently Nevada product	View TK-3E-177313-02-01 page
330500-04-00	Related Bently Nevada product	View 330500-04-00 page
330102-00-40-05-01-05	Related Bently Nevada product	View 330102-00-40-05-01-05 page
330500-00-02	Related Bently Nevada product	View 330500-00-02 page
16925-30	Related Bently Nevada product	View 16925-30 page
330850-50-00	Related Bently Nevada product	View 330850-50-00 page
3500-50-133388-02	Related Bently Nevada product	View 3500-50-133388-02 page
330130-080-02-05	Related Bently Nevada product	View 330130-080-02-05 page

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL 25 mm Proximity Transducer System Datasheet

163236 Rev. M

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