

INDUSTRIAL AUTOMATION PRODUCT

330330-080-01-00

3300 XL 16 mm HTPS matched extension cable

Matched high-temperature 75-ohm coaxial proximity signal

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL High Temperature Proximity System
Part number	330330-080-01-00
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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



2

Technical Specifications

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

PARAMETER	VALUE
Cable model	330330
Cable length	8.0 m (26.3 ft)
Armor	With stainless-steel armor
Agency approval option	Not required
Cable impedance	75 Ohm
Operating temperature	-52 to +177 degC
Minimum bend radius	25.4 mm (1.0 in)
Power supply	-19.6 to -26 V DC; 12 mA maximum
Supply sensitivity	<13 mV/V
Output resistance	50 Ohm
Linear range	4.0 mm (160 mils)

PARAMETER	VALUE
Linear-range limits	0.5 to 4.5 mm (20 to 180 mils)
Recommended gap	2.5 mm (100 mils)
Incremental scale factor	3.94 V/mm (100 mV/mil), +/-9.65%
Frequency response	0 to 6 kHz
Minimum target diameter	30.5 mm (1.2 in)
Minimum shaft diameter	152 mm (6.0 in)
Cable impedance	75 Ohm
Extension-cable temperature	-52 to +177 degC
Proximitior Sensor temperature	-52 to +100 degC
Minimum bend radius	25.4 mm (1.0 in)

VERIFIED PRODUCT RECORD

DATA GROUP	VERIFIED VALUE
Installed host / carrier	matched 3300 XL 16 mm HTPS probe
Companion hardware	330380 HTPS Proximitior Sensor
Field connection	ClickLoc connector pair
Primary system function	Provides the documented 8.0 m (26.3 ft) matched cable length
Controlled acceptance duty	Gas-turbine high-temperature proximity

3

System Role and Architecture

Matched high-temperature 75-ohm coaxial proximity signal

FUNCTION 1
Provides the documented 8.0 m (26.3 ft) matched cable length

FUNCTION 2
Uses the with stainless-steel armor execution

FUNCTION 3
Carries the 75-ohm high-temperature coaxial signal

FUNCTION 4
Requires serial-number-based matching when ordered as a spare

Matched system components

- matched 3300 XL 16 mm HTPS probe
- 330380 HTPS Proximitior Sensor
- ClickLoc connector pair
- approved high-temperature cable route

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	matched 3300 XL 16 mm HTPS probe
Companion hardware	330380 HTPS Proximitior Sensor
Field connection	ClickLoc connector pair
Primary system function	Provides the documented 8.0 m (26.3 ft) matched cable length
Controlled acceptance duty	Gas-turbine high-temperature proximity

4

Applications and Engineering Context

Gas-turbine high-temperature proximity

Provides the documented 8.0 m (26.3 ft) matched cable length

Thermal shaft-position measurement

Uses the with stainless-steel armor execution

HTPS signal routing

Carries the 75-ohm high-temperature coaxial signal

Matched cable replacement

Requires serial-number-based matching when ordered as a spare

TECHNICAL NOTE

Confirm 330330-080-01-00, 8.0 m (26.3 ft) length, with stainless-steel armor and the original probe serial number; preserve connector torque, bend radius and matched capacitance before gap and scale verification.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330330-080-01-00 / 330330-080-01-00 recorded
Physical interface	matched 3300 XL 16 mm HTPS probe
Companion check	330380 HTPS Proximitior Sensor
Functional proof	Provides the documented 8.0 m (26.3 ft) matched cable length
Application test	Gas-turbine high-temperature proximity

5

Engineering Precautions

1

Verify 330330-080-01-00, 8.0 m (26.3 ft) cable length and with stainless-steel armor execution before work.

2

Place the monitored machine and HTTPS channel in the approved maintenance state.

3

Record the matched probe serial number and installed cable route.

4

Protect both ClickLoc connectors from heat, contamination and mechanical load.

5

Support the cable to maintain bend radius and avoid contact with hotter surfaces.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330101-02-60-05-01-05	Related Bently Nevada product	View 330101-02-60-05-01-05 page
21000-28-05-00-030-04-02	Related Bently Nevada product	View 21000-28-05-00-030-04-02 page
330101-00-18-10-02-05	Related Bently Nevada product	View 330101-00-18-10-02-05 page
146054-34-20-02-05	Related Bently Nevada product	View 146054-34-20-02-05 page
21504-00-20-10-02	Related Bently Nevada product	View 21504-00-20-10-02 page
86517-01-01-01-02	Related Bently Nevada product	View 86517-01-01-01-02 page
86517-XX-XX-01-02-MOD-15...	Related Bently Nevada product	View 86517-XX-XX-01-02-MOD-15... page
21505-00-44-10-02	Related Bently Nevada product	View 21505-00-44-10-02 page

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL High Temperature Proximity System Datasheet

141623 Rev. H

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

