

APTER POWER

PRODUCT REFERENCE MANUAL

330930-065-04-BR

Bently Nevada 3300 XL NSv Extension Cable

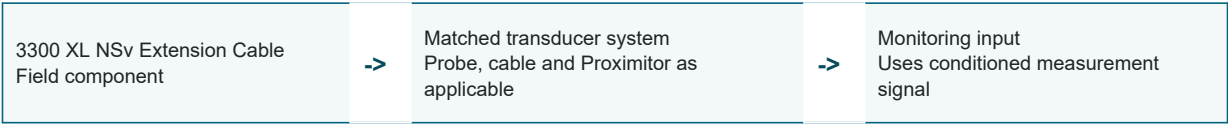
This Apter Power reference manual explains the supplied model, published system function, configuration status, technical data, compatible components and installation checks. It uses manufacturer-published information only.

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1. Product Overview

330930-065-04-BR is a Bently Nevada 3300 XL NSv extension cable with a 6.5 m length, stainless-steel armor with an FEP jacket, a connector protector, and the BR country-specific approval option supported for the 330930 family by the official approvals guide.

It carries the high-frequency probe circuit between a 0.5 m NSv proximity probe and a 7.0 m NSv Proximito Sensor, preserving the calibrated electrical length required to condition vibration, position, Keyphasor, tachometer, or zero-speed signals.



2. Model Configuration

330930	3300 NSv extension cable.
065	6.5 m cable length.
04	Stainless-steel armor with FEP jacket and connector protector.
BR	Brazil country-specific approval option available for 330930 in guide 108M1756 Rev. AV.

BR is an official country-specific option for 330930 in guide 108M1756 Rev. AV; the physical nameplate and current Brazil approval remain controlling.

3. Technical Specifications

Values below are manufacturer-published. System-level values apply only to the complete correctly matched system under the official test conditions.

Manufacturer	Bently Nevada
Product Category	Machinery Monitoring System
Spare Part Number	330930-065-04-BR
Product Type	3300 XL NSv Extension Cable
Cable Length	6.5 m (21.3 ft)
System Compatibility	7.0 m NSv system with a 0.5 m probe
Armor	Flexible AISI 302 stainless steel
Outer Jacket	FEP
Connector Protection	Connector protector supplied
Connector Material	Gold-plated brass
Cable Capacitance	69.9 pF/m (21.3 pF/ft) typical
Minimum Bend Radius	25.4 mm (1.0 in)
Cable Temperature	-52°C to +177°C (-62°F to +351°F)
Tensile Strength	220 N (50 lb) at cable connectors
Approximate Weight	64 g/m for armored cable
Required Probe Length	0.5 m for a 7.0 m system
Required Proximitors Length	7.0 m
Approval Option	BR — Brazil country-specific option
Reference System	3300 XL NSv
Official Approval Reference	108M1756 Rev. AV

4. Compatible Components

- A 0.5 m NSv probe from the 330901/330902/330903/330904/330905/330908/330909/330910 families.
- 330980-70-BR, 330980-71-BR, or 330980-72-BR 7.0 m Proximitors Sensor, subject to mounting needs and approval verification.
- 40113-03 NSv connector protector kit where replacement protection is required.
- 147357 3300 XL NSv Proximitors User Guide.

5. Core Functions and Applications

Compressor Casing Cable Routes Connects a compact NSv probe inside or near compressor casings to remotely mounted signal-conditioning electronics.	Armored Industrial Routing Protects the transducer cable along routes exposed to mechanical contact or installation handling.
Centrifugal Air Compressors Supports 7 m NSv vibration and position systems used on compact air-compressor machinery.	Refrigeration Compressors Maintains the matched probe circuit between tight-clearance sensing points and the monitoring cabinet.
Process Gas Compressors Carries NSv shaft-motion signals through an FEP-jacketed armored cable assembly.	Keyphasor and Speed Channels Transfers the NSv probe waveform used for phase reference, tachometer, or zero-speed channels.

6. Installation and Commissioning Checklist

- Use only with a 0.5 m NSv probe and 7.0 m Proximitior Sensor to maintain total system length.
- Do not bend below 25.4 mm or damage the armor termination.
- Tighten ClickLoc connectors finger-tight until they click; do not use excessive torque.
- Keep connector surfaces clean and install the protector as directed.
- Confirm BR certification, product marking, barriers, and the applicable installation drawing before hazardous-area use.

This Apter Power manual is a selection aid. It does not replace manufacturer installation drawings, certification documents, site procedures or qualified engineering review.

7. Model-Specific FAQ

- 1 What is the Bently Nevada 330930-065-04-BR?**
It is a 6.5 m NSv extension cable with stainless-steel armor, an FEP jacket, a connector protector, and the BR country-specific approval option.
- 2 What does code 065 mean?**
It specifies a 6.5 m cable length.
- 3 What does option 04 include?**
It specifies stainless-steel armor with an FEP jacket and a connector protector.
- 4 Which total system length does it support?**
With a 0.5 m NSv probe, the cable forms the required 7.0 m electrical length for a matching 7.0 m Proximitor Sensor.
- 5 Does the cable measure vibration by itself?**
No. It transfers the probe circuit to the Proximitor Sensor; measurement requires the complete matched transducer system.
- 6 What does BR mean?**
It is the Brazil country-specific ordering option listed as available for the 330930 family in official approvals guide 108M1756 Rev. AV.
- 7 What installation limits matter?**
Maintain the 25.4 mm bend radius, protect the armor termination and connector, and tighten ClickLoc connectors only as instructed.
- 8 Can it be used with a 1 m probe?**
Not in a 7 m system: 1.0 + 6.5 m equals 7.5 m. Use a 0.5 m probe with this cable and a 7.0 m Proximitor Sensor.

8. Lifecycle and Approval Status

Baker Hughes lists 330930 extension cables in datasheet 147385 Rev. R. The official approvals guide lists BR as available for 330930; verify the current revision and product marking.

BR is an official country-specific option for 330930 in guide 108M1756 Rev. AV; the physical nameplate and current Brazil approval remain controlling.

9. Official Manufacturer Sources

Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet, 147385 Rev. R and 108M1756 Rev. AV

<https://dam.bakerhughes.com/m/7a79b853504f738/original/3300-XL-NSv-Proximity-Transducer-System-Datasheet-147385-pdf.pdf>

Bently Nevada Approvals Quick Reference Guide, 108M1756 Rev. AV

<https://dam.bakerhughes.com/m/2bf5dd5f301c947a/original/Approvals-Quick-Reference-Guide-Country-Specific-Ordering-Options-108M1756-pdf.pdf>

Source-access date: 12 August 2026. Manufacturer document revisions may change. Confirm the current revision before use.

10. Apter Power Support

Seller	Apter Power
Website	https://www.apterpower.com
Product page	https://www.apterpower.com/Bently-Nevada/330930-065-04-BR
Email	sales13@apterpower.com
Phone / WhatsApp	+86 180 3023 5313
Quotation note	Confirm nameplate, condition, included accessories and approval requirement.

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