

330130-040-03-00 STG-VY-1001-12

3300 XL 8 mm Extension Cable

Bently Nevada 330130-040-03-00 STG-VY-1001-12 is the documented 3300 XL 8 mm Extension Cable for the Bently Nevada 3300 XL 8 mm proximity transducer system. It connects the matched probe to its Proximitor Sensor while preserving total transducer-system length.

| IDENTITY      | VERIFIED VALUE                                         |
|---------------|--------------------------------------------------------|
| Manufacturer  | Bently Nevada                                          |
| System family | Bently Nevada 3300 XL 8 mm proximity transducer system |
| Part number   | 330130-040-03-00 STG-VY-1001-12                        |
| Product role  | Completes the matched transducer cable path            |
| Lifecycle     | Installed product record                               |

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Match Bently Nevada 330130-040-03-00 STG-VY-1001-12 to the documented host and mating interfaces, and record the as-found STG-VY special configuration, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.

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STG-VY-1001-12

# Technical Specifications

Technical values below are limited to the named Bently Nevada product record and directly applicable manufacturer documentation.

| PARAMETER     | VALUE           | PARAMETER          | VALUE                                   |
|---------------|-----------------|--------------------|-----------------------------------------|
| System family | 3300 XL 8 mm    | Connector system   | Matched probe and Proximitor interfaces |
| Component     | Extension cable | Reference document | 141194 Rev. AL                          |

## Verified Product Record

| DATA GROUP                 | VERIFIED VALUE                                                                                                                                                                                                                                                                                                         |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installed host / carrier   | Bently Nevada 3300 XL 8 mm proximity transducer system                                                                                                                                                                                                                                                                 |
| Primary system role        | Completes the matched transducer cable path                                                                                                                                                                                                                                                                            |
| Connection boundary        | Match Bently Nevada 330130-040-03-00 STG-VY-1001-12 to the documented host and mating interfaces, and record the as-found STG-VY special configuration, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release. |
| Controlled acceptance duty | Radial shaft-vibration loop                                                                                                                                                                                                                                                                                            |

### ENGINEERING BOUNDARY

Confirm Bently Nevada 330130-040-03-00 STG-VY-1001-12, complete article suffix, installed host, mating components, mounting, connectors, cable route, wiring, shielding, grounding, monitor configuration and controlled functional-test results before commissioning.

## Pre-Installation Checks

|   |                                                                                                   |   |                                                                                                                    |
|---|---------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------|
| 1 | Confirm Bently Nevada 330130-040-03-00 STG-VY-1001-12 and the complete installed article marking. | 2 | Place the monitored machine and protection channel in the approved maintenance state.                              |
| 3 | Isolate the affected circuit and apply ESD-safe handling.                                         | 4 | Record the installed position, connectors, cable route, shielding and STG-VY special configuration before removal. |

## Documented Service Record

| RECORD ITEM        | REQUIRED ENTRY                                         |
|--------------------|--------------------------------------------------------|
| As-found article   | 330130-040-03-00 STG-VY-1001-12                        |
| Installed host     | Bently Nevada 3300 XL 8 mm proximity transducer system |
| Connection record  | Capture before removal                                 |
| Controlled release | Diagnostics and functional proof                       |

## System Role and Architecture

Bently Nevada 330130-040-03-00 STG-VY-1001-12 is the documented 3300 XL 8 mm Extension Cable for the Bently Nevada 3300 XL 8 mm proximity transducer system. It connects the matched probe to its Proximitor Sensor while preserving total transducer-system length.

|                                                                      |                                                                        |
|----------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>FUNCTION 1</b><br>Completes the matched transducer cable path     | <b>FUNCTION 2</b><br>Preserves the approved system-length execution    |
| <b>FUNCTION 3</b><br>Uses the documented probe and sensor interfaces | <b>FUNCTION 4</b><br>Supports controlled routing and connection checks |

### Matched System Components

| NO. | DOCUMENTED COMPONENT / ROLE                                                                                                                                                                                                                                                                                            |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Bently Nevada 3300 XL 8 mm proximity transducer system                                                                                                                                                                                                                                                                 |
| 2   | Extension cable                                                                                                                                                                                                                                                                                                        |
| 3   | Radial shaft-vibration loop                                                                                                                                                                                                                                                                                            |
| 4   | Match Bently Nevada 330130-040-03-00 STG-VY-1001-12 to the documented host and mating interfaces, and record the as-found STG-VY special configuration, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release. |

### System Integration Record

| INTEGRATION ITEM       | DOCUMENTED ROLE                                                                                                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host identity          | Bently Nevada 3300 XL 8 mm proximity transducer system                                                                                                                                                                                                          |
| Interface role         | Completes the matched transducer cable path                                                                                                                                                                                                                     |
| Field / power context  | The article is installed only with the documented Bently Nevada 3300 XL 8 mm proximity transducer system components. Commissioning preserves the exact suffix identity, physical interfaces, wiring, shielding, configuration and controlled response evidence. |
| Commissioning evidence | Complete a controlled response and alarm test before service release.                                                                                                                                                                                           |

### Installation and Connection Checks

|   |                                                                          |   |                                                                             |
|---|--------------------------------------------------------------------------|---|-----------------------------------------------------------------------------|
| 1 | Confirm the documented host, mating components and physical interfaces.  | 2 | Restore the approved mounting, wiring, shielding and monitor configuration. |
| 3 | Review supply, bias, channel and monitor diagnostics after energization. | 4 | Complete a controlled response and alarm test before service release.       |

|                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>MANUFACTURER SOURCE RECORD</b><br><br>3300 XL 8 mm Proximity Transducer System Datasheet<br>Baker Hughes publication 141194 Rev. AL |
|----------------------------------------------------------------------------------------------------------------------------------------|

# Applications and Engineering Context

**Radial shaft-vibration loop**  
  
Connects the installed probe to the matched Proximity Sensor.

**Axial position measurement**  
  
Completes the approved cable path for a thrust-position channel.

**Machine centerline monitoring**  
  
Maintains signal continuity in a documented proximity loop.

**Extension-cable replacement**  
  
Restores the exact system identity with controlled routing checks.

## TECHNICAL NOTE

Match Bently Nevada 330130-040-03-00 STG-VY-1001-12 to the documented host and mating interfaces, and record the as-found STG-VY special configuration, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.

## Model-Specific Acceptance Evidence

| CHECK              | ACCEPTANCE CONDITION                                                     |
|--------------------|--------------------------------------------------------------------------|
| Identity           | 330130-040-03-00 STG-VY-1001-12 recorded                                 |
| Host / carrier     | Bently Nevada 3300 XL 8 mm proximity transducer system                   |
| Physical interface | Completes the matched transducer cable path                              |
| Configuration      | Review supply, bias, channel and monitor diagnostics after energization. |
| Functional proof   | Complete a controlled response and alarm test before service release.    |

## IMPORTANT NOTICE

Confirm Bently Nevada 330130-040-03-00 STG-VY-1001-12, complete article suffix, installed host, mating components, mounting, connectors, cable route, wiring, shielding, grounding, monitor configuration and controlled functional-test results before commissioning.

## Controlled Release Summary

| RELEASE ITEM     | MODEL-SPECIFIC CONDITION                                              |
|------------------|-----------------------------------------------------------------------|
| Article identity | 330130-040-03-00 STG-VY-1001-12                                       |
| Approved role    | Radial shaft-vibration loop                                           |
| Final validation | Complete a controlled response and alarm test before service release. |

# Engineering Precautions

|   |                                                                                                   |   |                                                                                                                    |
|---|---------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------|
| 1 | Confirm Bently Nevada 330130-040-03-00 STG-VY-1001-12 and the complete installed article marking. | 2 | Place the monitored machine and protection channel in the approved maintenance state.                              |
| 3 | Isolate the affected circuit and apply ESD-safe handling.                                         | 4 | Record the installed position, connectors, cable route, shielding and STG-VY special configuration before removal. |
| 5 | Confirm the documented host, mating components and physical interfaces.                           | 6 | Restore the approved mounting, wiring, shielding and monitor configuration.                                        |
| 7 | Review supply, bias, channel and monitor diagnostics after energization.                          | 8 | Complete a controlled response and alarm test before service release.                                              |

## Related Products on Apter Power

| MODEL                                 | SYSTEM ROLE                 | APTER POWER PAGE                                                |
|---------------------------------------|-----------------------------|-----------------------------------------------------------------|
| Bently Nevada 330130-035-00-05        | Related Apter Power product | <a href="#">View Bently Nevada 330130-035-00-05 page</a>        |
| Bently Nevada 330130-080-13-05        | Related Apter Power product | <a href="#">View Bently Nevada 330130-080-13-05 page</a>        |
| Bently Nevada 330130-046-00-06        | Related Apter Power product | <a href="#">View Bently Nevada 330130-046-00-06 page</a>        |
| Bently Nevada 330525-00               | Related Apter Power product | <a href="#">View Bently Nevada 330525-00 page</a>               |
| Bently Nevada 330877-080-37-00        | Related Apter Power product | <a href="#">View Bently Nevada 330877-080-37-00 page</a>        |
| Bently Nevada 330909-00-80-10-02-00   | Related Apter Power product | <a href="#">View Bently Nevada 330909-00-80-10-02-00 page</a>   |
| Bently Nevada 330703-000-050-10-02-00 | Related Apter Power product | <a href="#">View Bently Nevada 330703-000-050-10-02-00 page</a> |
| Bently Nevada 330703-000-060-10-02-00 | Related Apter Power product | <a href="#">View Bently Nevada 330703-000-060-10-02-00 page</a> |

### MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet  
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