

# 330130-045-00-00

## 3300 XL 8 mm Standard Extension Cable

Bently Nevada 330130-045-00-00 is a 4.5 m standard extension cable for a 3300 XL 8 mm proximity transducer system. It connects the probe lead to the matched Proximitor Sensor while preserving the engineered system length.

### PRODUCT SNAPSHOT

**BRAND**

Bently Nevada

**FAMILY**

3300 XL 8 mm Proximity Transducer System

**PART**

330130-045-00-00

**ORIGIN / HS**

USA / 8537101190

### APTER POWER SALES TEAM

**WHATSAPP / PHONE**

+86 180 3023 5313

**EMAIL**

sales13@apterpower.com

**WEBSITE**

www.apterpower.com



330130-045-00-00

# PRODUCT OVERVIEW

Bently Nevada 330130-045-00-00 is a 4.5 m standard extension cable for a 3300 XL 8 mm proximity transducer system. It connects the probe lead to the matched Proximitor Sensor while preserving the engineered system length.

1

Extends the probe connection between the machine and the Proximitor Sensor

2

Carries the triaxial proximity signal through a matched 3300 XL loop

3

Supports routing from the bearing housing to an accessible monitoring enclosure

4

Maintains the electrical length required by the selected 5 m or 9 m transducer system

## SYSTEM COMPONENTS

3300 XL 8 mm proximity probe

3300 XL 8 mm Proximitor Sensor

ClickLoc mating connectors

compatible machinery-protection monitor channel

### RELATED PRODUCTS ON APTER POWER

| MODEL                 | SYSTEM ROLE                      | APTER POWER PAGE                  |
|-----------------------|----------------------------------|-----------------------------------|
| 330106-05-30-05-02-00 | 3300 XL 8 mm reverse-mount probe | <a href="#">Open product page</a> |
| 330103-00-16-10-02-05 | 3300 XL 8 mm proximity probe     | <a href="#">Open product page</a> |
| 330103-00-12-10-02-00 | 3300 XL 8 mm proximity probe     | <a href="#">Open product page</a> |
| 3300/40M 176449-01    | Proximitor monitor               | <a href="#">Open product page</a> |
| 3500/64M 140734-05    | Dynamic pressure monitor         | <a href="#">Open product page</a> |

## TECHNICAL DATA

| PARAMETER              | VALUE                          |
|------------------------|--------------------------------|
| Cable series           | 330130                         |
| Cable length           | 4.5 m (14.8 ft)                |
| Cable length tolerance | +20%, -0%                      |
| Cable type             | Standard extension cable       |
| Cable construction     | 75 Ohm triaxial                |
| Insulation             | Fluoroethylene propylene (FEP) |
| Armor option           | None                           |
| FluidLoc option        | None                           |
| Connector protector    | None                           |

| PARAMETER                         | VALUE                                 |
|-----------------------------------|---------------------------------------|
| Nominal jacket resistance         | 0.30 +/- 0.06 Ohm                     |
| Extension-cable capacitance       | 69.9 pF/m typical                     |
| Minimum bend radius               | 25.4 mm (1.0 in)                      |
| Operating and storage temperature | -52 to +177 degC                      |
| Cable outside diameter            | 3.7 mm maximum                        |
| Connector configuration           | Miniature male and female coaxial     |
| Connector material                | Gold-plated brass or beryllium copper |
| Maximum connector torque          | 0.565 N m                             |
| Cable mass                        | 34 g/m                                |

### TECHNICAL NOTE

Route 330130-045-00-00 without violating the minimum bend radius, then finger-tighten the two 3300 XL click connectors and secure them against vibration. Confirm that probe length plus extension-cable length equals the Proximitor Sensor system length before gap and channel testing.

# APPLICATIONS & PRECAUTIONS

## COMMON APPLICATIONS

### Bearing-housing cable extension

Extends the probe connection between the machine and the Proximitor Sensor

### Remote Proximitor Sensor mounting

Carries the triaxial proximity signal through a matched 3300 XL loop

### Radial vibration transducer routing

Supports routing from the bearing housing to an accessible monitoring enclosure

### Axial-position probe connection

Maintains the electrical length required by the selected 5 m or 9 m transducer system

## PRODUCT PRECAUTIONS

- 1 Verify the complete 330130-045-00-00 marking and cable length before installation.
- 2 Isolate the connected protection channel before separating either coaxial connector.
- 3 Keep connector interfaces clean and dry; do not use an unapproved solvent on the FEP cable.
- 4 Maintain the published bend radius throughout trays, glands and enclosure entries.
- 5 Do not substitute an armored, FluidLoc or connector-protector execution for this standard cable without engineering review.
- 6 Match the probe and extension-cable lengths to the 5 m or 9 m Proximitor Sensor calibration.
- 7 Secure the cable so machine vibration cannot load the miniature coaxial connectors.
- 8 Verify bias voltage, static gap, polarity and dynamic response before restoring alarm service.

# ENGINEER FAQ

## Q1 What length does 330130-045-00-00 provide?

Ordering option 045 specifies a 4.5 m standard extension cable.

## Q2 Does 330130-045-00-00 include armor or FluidLoc construction?

No. Option 00 specifies standard cable without armor, FluidLoc construction or a connector protector.

## Q3 Which system lengths can use 330130-045-00-00?

Choose the probe and Proximator Sensor so the combined probe-plus-extension length matches the engineered 5 m or 9 m system.

## Q4 How tightly should the connectors on 330130-045-00-00 be assembled?

Two 3300 XL gold click-type connectors are assembled finger tight; do not apply the maximum connector torque as a routine tightening target.

## Q5 What bend control is required for 330130-045-00-00?

Maintain at least the published 25.4 mm bend radius at trays, cabinet entries and service loops.

## Q6 Can 330130-045-00-00 replace an armored extension cable?

Only after engineering confirms that the standard unarmored option is acceptable for the installed mechanical protection and routing conditions.

## Q7 What resistance checks can be made on 330130-045-00-00?

Compare core and jacket continuity with the official nominal values for the 4.5 m cable, using test equipment that will not damage the proximity circuit.

## Q8 What commissioning checks follow installation of 330130-045-00-00?

Verify connector seating, total system length, bias voltage, static gap, polarity and dynamic channel response.