APTER■POWER

INDUSTRIAL AUTOMATION PRODUCT

# 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.

| IDENTITY | VERIFIED VALUE |
|---|---|
| **Manufacturer** | Bently Nevada |
| **System family** | 3300 XL 8 mm Proximity Transducer System |
| **Part number** | 330130-045-00-00 |
| **Country** | USA |
| **HS code** | 8537101190 |

PRODUCT TECHNICAL REFERENCE


### APTER POWER SALES TEAM

**WHATSAPP / PHONE** +86 180 3023 5313

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330130-045-00-00

## 2 Technical Specifications

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

| 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 |
| **Agency approval option** | Not required |
| **Nominal core resistance** | 0.99 +/- 0.15 Ohm |

| 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 |
| **Matched total system lengths** | 5 m or 9 m |

### VERIFIED PRODUCT RECORD

| DATA GROUP | VERIFIED VALUE |
|---|---|
| **Manufacturer** | Bently Nevada |
| **Product family** | 3300 XL 8 mm Proximity Transducer System |
| **Origin** | USA |
| **HS code** | 8537101190 |
| **Shipping origin** | Xiamen, Fujian, China |
| **Source document** | 3300 XL 8 mm Proximity Transducer System Datasheet — 141194 Rev. AM |

## 3 System Role and Architecture

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.

**FUNCTION 1**

Extends the probe connection between the machine and the Proximitor Sensor

**FUNCTION 2**

Carries the triaxial proximity signal through a matched 3300 XL loop

**FUNCTION 3**

Supports routing from the bearing housing to an accessible monitoring enclosure

**FUNCTION 4**

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

### Matched system components

- 3300 XL 8 mm proximity probe
- 3300 XL 8 mm Proximitor Sensor
- ClickLoc mating connectors
- compatible machinery-protection monitor channel

### SYSTEM INTEGRATION RECORD

| INTEGRATION ITEM | DOCUMENTED ROLE |
|---|---|
| **Installed host / carrier** | 3300 XL 8 mm proximity probe |
| **Companion hardware** | 3300 XL 8 mm Proximitor Sensor |
| **Field connection** | ClickLoc mating connectors |
| **Primary system function** | Extends the probe connection between the machine and the Proximitor Sensor |
| **Controlled acceptance duty** | Bearing-housing cable extension |

## 4 Applications and Engineering Context

### 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

### 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.

### MODEL-SPECIFIC ACCEPTANCE EVIDENCE

| CHECK | ACCEPTANCE CONDITION |
|---|---|
| **Identity** | 330130-045-00-00 / 330130-045-00-00 recorded |
| **Physical interface** | 3300 XL 8 mm proximity probe |
| **Companion check** | 3300 XL 8 mm Proximitor Sensor |
| **Functional proof** | Extends the probe connection between the machine and the Proximitor Sensor |
| **Application test** | Bearing-housing cable extension |

## 5 Engineering 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.

### RELATED PRODUCTS ON APTER POWER

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

### MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet

141194 Rev. AM


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