# 330130-085-03-00

3300 XL Standard Extension Cable

Bently Nevada 330130-085-03-00 is an 8.5 m armored 3300 XL extension cable with a connector protector and no agency-approval option.

## Executive product dashboard

**Dual mechanical protection**

Stainless-steel armor protects the run while a separate protector shields the detachable ClickLoc joint.

**Long calibrated connection**

The 8.5 m execution is selected with probe length to match the receiving Proximitor Sensor.

**Serviceable signal path**

Finger-tight gold-plated connectors allow controlled cable exchange without disturbing the probe mounting.

### Exact order-code identity

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| **Cable family** | 330130 3300 XL standard extension cable |
| **Cable length** | 8.5 m (27.9 ft) |
| **Connector and cable option** | 03 - Armored cable with connector protector |
| **Agency approval option** | 00 - Not required |
| **Cable construction** | 75 ohm triaxial, FEP insulated |
| **Armor construction** | Flexible AISI 302 or 304 stainless steel with FEP jacket |
| **Typical capacitance** | 69.9 pF/m |
| **Nominal center-conductor resistance** | 1.87 +/- 0.28 ohm at 8.5 m |

330130-085-03-00 is an 8.5 m FEP-insulated triaxial extension cable with flexible stainless-steel armor. Option 03 adds a protector at the probe-side ClickLoc joint while the final 00 code selects no agency approval option.

# Configuration and technical capability map

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| **Nominal jacket resistance** | 0.56 +/- 0.11 ohm at 8.5 m |
| **Connector material** | Gold-plated brass or beryllium copper |
| **Cable temperature** | -52 to +177 deg C |

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| **Minimum bend radius** | 25.4 mm |
| **Maximum connector torque** | 0.565 N m |
| **System matching rule** | Probe plus extension cable equals Proximitor system length |

## Installed signal or connection path




## System interpretation boundary

The cable is an electrical component of the calibrated 3300 XL 8 mm chain, not a generic extension. Probe lead length plus this 8.5 m cable must equal the total length required by the Proximitor Sensor.

Installation acceptance includes connector condition, armor support, routing radius, continuity and live channel response. Protect the joint from oil and contamination and do not use the armor as a pulling member.

# Applications and installed-fit decisions

### Armored machinery runs

Protect the long routed cable from incidental mechanical contact.

### Matched 9 m chains

Combine with the appropriate 0.5 m probe lead for a 9 m Proximitor Sensor system.

### Protected probe joints

Use the supplied connector protector where the probe-to-cable interface is exposed.

### Maintenance cable exchange

Replace the cable without changing the installed probe geometry, then prove the full channel.

## Engineering decision matrix

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| **What makes 330130-085-03-00 different from option 02?** | Option 03 combines stainless-steel armor with a connector protector; option 02 is a protected standard cable without armor. |
| **Which probe length normally completes a 9 m chain with 330130-085-03-00?** | A compatible 0.5 m 3300 XL probe lead combines with the 8.5 m extension cable to total 9 m. |
| **How should the armor of 330130-085-03-00 be supported?** | Provide independent clamps and routing support so cable weight and vibration do not load the connectors or ferrules. |
| **What resistance check can be used on 330130-085-03-00?** | The 8.5 m cable has documented nominal center and jacket resistance values; measure only with the cable safely disconnected and an appropriate test method. |

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

# Product precautions and maintenance logic

### Verify code 03

Confirm both armor and connector protector are present on the supplied cable.

### Support the armor

Prevent cable weight and vibration from loading either ClickLoc connector.

### Maintain the bend radius

Keep all bends at or above 25.4 mm.

### Keep mating surfaces clean

Remove oil and debris before finger-tight connection.

### Match the total length

Add probe lead and 8.5 m cable before selecting the Proximitor Sensor.

### Confirm channel response

Check continuity, gap voltage and dynamic signal after installation.

## Additional technical questions

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|---|---|
| **Does 330130-085-03-00 select hazardous-area approvals?** | No. The final 00 code means an agency approval option is not required by this order code. |
| **How is the protector installed on 330130-085-03-00?** | First make the clean ClickLoc connection finger-tight, then fit the protector without twisting the cable or violating the bend radius. |
| **Why can 330130-085-03-00 not be replaced by generic triaxial cable?** | Its capacitance, resistance, connectors, armor, protection and calibrated length are part of the 3300 XL transducer performance. |
| **What final proof is required after fitting 330130-085-03-00?** | Record continuity, stable gap voltage, expected monitor indication and dynamic response with the matched probe and Proximitor Sensor. |

## Technical notes

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| **Exact configuration** | 8.5 m armored FEP extension cable with connector protector and no approval option |
| **Calibration relationship** | Electrical length and cable construction are part of the complete 3300 XL 8 mm chain |
| **Technical reference** | Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN |

# Source record, related portfolio and contact

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|---|---|
| **Manufacturer reference** | Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN |
| **Applicability** | Facts are limited to the exact order-code selections and stated matched-system conditions. |
| **Public page** | Exact product page linked from the first-page model title |
| **Evidence boundary** | No neighboring-model option or unsupported lifecycle conclusion is assigned to this product. |

## Verified related product references

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|---|---|
| Recommended product | Bently Nevada 330980-70-05 |
| Recommended product | Bently Nevada 330425-01-00 |
| Recommended product | Bently Nevada 330500-07-00 |
| Recommended product | Bently Nevada 330706-005-046-10-02-00 |
| Recommended product | Bently Nevada 200355-00-00-00 |



**Discuss the exact marking and installed relationship with Apter Power.**
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Use the complete marking, installed relationship, photographs and measured baseline as the service record for 330130-085-03-00.