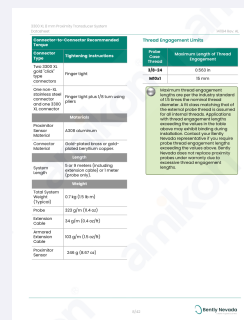


FIELD INSTALLATION QUICK GUIDE

# Installation Instructions

330130-080-03-00

Proximity transducer extension cable



|          |                                           |
|----------|-------------------------------------------|
| PRODUCT  | 330130-080-03-00                          |
| FAMILY   | 3300 XL 8 mm proximity transducer systems |
| FUNCTION | Proximity transducer extension cable      |
| STATUS   | Verify exact installed equipment          |

Prepared by Amikon Limited from 3300 XL 8mm Proximity Transducer documentation. This guide supplements the complete manufacturer manual and site procedure.

## 01

## CONFIRM THE ORDERED CONFIGURATION

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Extension cable length            | 8 m                                    |
| Cable option                      | Armored cable with connector protector |
| Agency approval option            | Not required                           |
| Cable construction                | 75 ohm triaxial                        |
| Cable insulation                  | FEP                                    |
| Cable operating and storage range | -52 to +177 deg C                      |

## 02

## PREPARATION AND CONNECTION

- Confirm the complete 330130-080-03-00 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

## OFFICIAL INSTALLATION REFERENCE

3300 XL 8 mm Proximity Transducer System  
Datasheet

141194 Rev. AL

### Connector-to-Connector Recommended Torque

| Connector Type                                                 | Tightening Instructions                 |
|----------------------------------------------------------------|-----------------------------------------|
| Two 3300 XL gold "click" type connectors                       | Finger tight                            |
| One non-XL stainless steel connector and one 3300 XL connector | Finger tight plus 1/8 turn using pliers |

### Materials

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Proximitorsensor Material | A308 aluminum                                      |
| Connector Material        | Gold-plated brass or gold-plated beryllium copper. |

### Length

|               |                                                                    |
|---------------|--------------------------------------------------------------------|
| System Length | 5 or 9 meters (including extension cable) or 1 meter (probe only). |
|---------------|--------------------------------------------------------------------|

### Weight

|                               |                     |
|-------------------------------|---------------------|
| Total System Weight (Typical) | 0.7 kg (1.5 lb m)   |
| Probe                         | 323 g/m (11.4 oz)   |
| Extension Cable               | 34 g/m (0.4 oz/ft)  |
| Armored Extension Cable       | 103 g/m (1.5 oz/ft) |
| Proximitorsensor              | 246 g (8.67 oz)     |

### Thread Engagement Limits

| Probe Case Thread | Maximum Length of Thread Engagement |
|-------------------|-------------------------------------|
| 3/8-24            | 0.563 in                            |
| M10x1             | 15 mm                               |



Maximum thread engagement lengths are per the industry standard of 1.5 times the nominal thread diameter. A fit class matching that of the external probe thread is assumed for all internal threads. Applications with thread engagement lengths exceeding the values in the table above may exhibit binding during installation. Contact your Bently Nevada representative if you require probe thread engagement lengths exceeding the values above. Bently Nevada does not replace proximity probes under warranty due to excessive thread engagement lengths.

## 04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

## 05 CONTROLLED DOCUMENT

|                 |                                                   |
|-----------------|---------------------------------------------------|
| Official source | Bently Nevada official manufacturer documentation |
| Product record  | 330130-080-03-00                                  |
| Manufacturer    | 3300 XL 8mm Proximity Transducer                  |
| Warranty        | 12 months from AMIKON                             |
| Support         | INFO@AMIKON.CN                                    |

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM