3300 XL 8 MM

# Product Data Sheet

## 330130-035-00-05

Standard proximity extension cable

| EXTENSION LENGTH | CABLE OPTION | CENTER-CONDUCTOR RESISTANCE | OUTER-CONDUCTOR RESISTANCE |
|---|---|---|---|
| **3.5 m** | **Standard, without armor or protector** | **0.77 +/- 0.12 ohm** | **0.23 +/- 0.05 ohm** |

Bently Nevada 330130-035-00-05 is a 3.5 m standard extension cable for a 3300 XL 8 mm proximity transducer chain. It joins a compatible probe lead to its Proximitor sensor, preserving the electrical length used to convert probe gap into a voltage signal.

## 01 TECHNICAL DATA

| | |
|---|---|
| Extension length | 3.5 m |
| Cable option | Standard, without armor or protector |
| Center-conductor resistance | 0.77 +/- 0.12 ohm |
| Outer-conductor resistance | 0.23 +/- 0.05 ohm |
| Capacitance per metre | 69.9 pF/m typical |
| Characteristic impedance | 75 ohm |
| Insulation | FEP |
| Conductor arrangement | Triaxial |
| Connector coupling | Miniature coaxial ClickLoc |
| Connector metals | Gold-plated brass or beryllium copper |

Bently Nevada 3300 XL 8 mm Datasheet 141194 Rev. AM, applicable specification, ordering and dimensional sections.

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Minimum routing radius | 25.4 mm |
| Maximum connector torque | 0.565 N m |
| Connector tightening | Finger tight for two XL gold connectors |
| Connector tensile rating | 270 N maximum |
| Approval selection | 05: CSA, ATEX and IECEx |

## 03 PRODUCT FUNCTION

The unarmored execution uses FEP-insulated 75-ohm triaxial cable and miniature coaxial ClickLoc connections without connector protectors. At 3.5 m, the published center-conductor resistance is 0.77 +/- 0.12 ohm and outer-conductor resistance is 0.23 +/- 0.05 ohm. The 05 ordering option selects CSA, ATEX and IECEx approvals.

## 04 SYSTEM COMPATIBILITY

Keep bends at 25.4 mm radius or greater. Two gold XL ClickLoc connections are tightened finger tight; the published maximum connector torque is 0.565 N m. Option 00 does not include armor or a connector protector, so the installed connector enclosure remains part of the mounting design.

## 05 REFERENCE

Bently Nevada 3300 XL 8 mm Datasheet 141194 Rev. AM, applicable specification, ordering and dimensional sections.

**AMIKON PRODUCT SUPPORT**

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