

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Bently Nevada 102045-040-01-05

Armored extension cable



PRODUCT	102045-040-01-05
THREAD	Connector-to-connector cable
ORDERED LENGTH	4.0 m
APPROVAL	Approval option 05

Prepared by Amikon Limited from official Datasheet 172036 Rev. T. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Thread / mounting	Connector-to-connector cable
Armor / input	Flexible stainless-steel armor
Unthreaded / full scale	4.0 m cable length
Case / construction	Armored construction
Cable / system	4.0 m
Connector / output	3300 XL ClickLoc-compatible connection
Approval option	Approval option 05

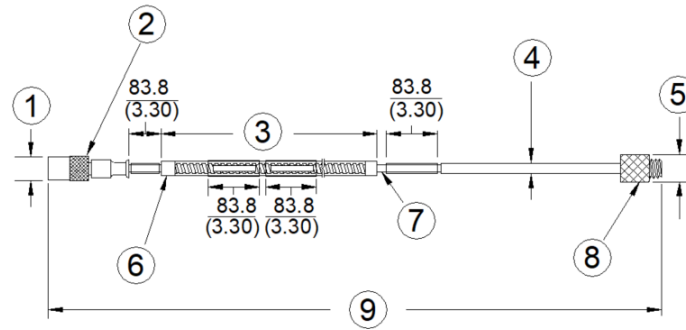
02 MECHANICAL MOUNTING

- Verify the complete order number 102045-040-01-05 before installation.
- Use the specified Connector-to-connector cable mounting and protect sensing or terminal surfaces.
- Preserve the ordered 4.0 m cable length and Armored construction mechanical configuration.
- Do not force the case, cable, connector, terminals, or mounting hardware.
- Confirm compatible system components before commissioning.

MECHANICAL INSTALLATION DRAWING

3300 XL 8 mm Proximity Transducer System
Datasheet

141194 Rev. AM



1. 7.24 mm (0.285 in) maximum diameter
2. Miniature male coaxial connector
3. FEP or PFA coated armor, armor length 300 mm (11.8 in) less than cable length (see Note 6)
4. 75Ω cable, 3.7 mm (0.15 in) maximum outside diameter, 3.94 mm (0.155 in) maximum diameter for FluidLoc cable, 7.67 mm (0.302 in) maximum outside diameter of armor, 10.2 mm (0.40 in) maximum diameter of armor ferrule
5. 7.24 mm (0.285 in) maximum diameter
6. Stainless steel ferrules, 10.2 mm (0.40 in) max diameter
7. FEP or PFA insulated triaxial cable
8. Miniature female coaxial connector
9. Cable length, +20%, -0%

Figure 17: Extension Cable without Connector Protectors

330130, 3300 XL Extension Cable (FEP Armor and Insulation)

330190, 3300 XL ETR Extension Cable (PFA Armor and Insulation)

04

CABLE ROUTING AND CONNECTION

- Maintain the ordered 4.0 m configuration.
- Route signal wiring away from high-voltage power conductors.
- Protect cable, connector and terminals from contamination and moisture.
- Do not exceed manufacturer bend-radius or connector-torque limits.
- Verify grounding and hazardous-area requirements before energizing.

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INITIAL GAP AND SYSTEM CHECKS

- Complete wiring and compatibility checks before commissioning.
- Confirm gap voltage, loop current, or axial position using the official procedure.
- Verify monitor or control-system channel configuration and alarm logic.
- Record the installed order number and measured baseline values.

06

CONTROLLED DOCUMENTS

Official datasheet	172036 Rev. T
Product record	102045-040-01-05
Manufacturer	Baker Hughes / Bently Nevada
Support	INFO@AMIKON.CN