Bently Nevada 330130-070-02-05

Complete Product Information

Bently Nevada 330130-070-02-05 is a 7.0 m standard triaxial extension cable with connector protection for a matched 3300 XL 8 mm proximity transducer chain.

01 Product identity and verified data

Complete model	330130-070-02-05
Product type	3300 XL 8 mm extension cable
Manufacturer	Bently Nevada
Technical source	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AL
Cable family	3300 XL 8 mm
Selected cable length	7.0 m
Cable construction	Standard 75 ohm triaxial FEP cable
Stainless-steel armor	Not selected
Connector protector	Selected
Approval selection	Multiple approvals
Core resistance	1.54 +/-0.23 ohm
Jacket resistance	0.46 +/-0.09 ohm

Engineering purpose

Bently Nevada 330130-070-02-05 is a 7.0 m standard triaxial extension cable with connector protection for a matched 3300 XL 8 mm proximity transducer chain.

Selected order-code snapshot

Selected cable	7.0 m standard 3300 XL 8 mm extension cable.
Joint protection	Connector protector selected; no stainless-steel armor.
Electrical data	1.54 ohm core, 0.46 ohm jacket and 69.9 pF/m typical capacitance.

02 Technical capability and engineering overview

Capacitance	69.9 pF/m typical
Connector material	Gold-plated brass or beryllium copper
Minimum bend radius	25.4 mm
Cable temperature	-52 to +177 deg C

Compatible chain examples	7.0 m cable plus 2.0 m probe for 9.0 m; or plus suitable probe for documented total length
Matched-system range	2.0 mm
Matched-system scale	7.87 V/mm

Evidence boundary

Exact cable fields and electrical values are from 141194 Rev. AL. Range and scale remain complete-system properties.

Engineering overview

The 7.0 m selection is part of the calibrated electrical length between the probe and Proximitor. Add the installed probe lead and require the total to match the Proximitor option before connection.

This code selects standard FEP triaxial cable without armor and adds a connector protector. Support the unarmored route independently, maintain bend radius and keep both ClickLoc interfaces clean and dry.

Cable resistance and capacitance provide isolated diagnostic references; the 2.0 mm range and 7.87 V/mm scale remain complete-system properties that require an accepted target and restored gap.

Application map

Matched 8 mm signal path

Complete the electrical path between the documented 3300 XL 8 mm probe and Proximitor.

Protected enclosure routing

Use where the enclosure or machine route supports the unarmored cable and protected ClickLoc joint.

Cable-level diagnosis

Compare isolated core and jacket resistance with the exact 7.0 m values before substituting electronics.

Installed-chain replacement

Match cable length, protector, absence of armor and both companion-component identities.

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 330130-070-02-05 and the documented 3300 XL 8 mm proximity transducer system context only.
Interface boundary	Connector, terminal, bus, cable and companion-device assignments must match the installed drawing.
Electrical boundary	Use exact-model values only; system-level ratings remain conditional on the complete installed configuration.
Configuration boundary	Switches, jumpers, addresses, firmware and project settings must be reconciled before energization.
Diagnostic boundary	Interpret indicators and fault states together with measured inputs, outputs and host-system status.
Acceptance rule	Use the approved system baseline and maintenance procedure for the final as-left decision.

Installed-system context

The 7.0 m cable is part of the calibrated probe-extension-Proximitor relationship; total electrical length and route protection govern application.

04 Lifecycle, offered scope and related references

Lifecycle status

Order-code coverage	141194 Rev. AL defines 330130-070-02-05 as the 7.0 m standard-cable selection with connector protector and multiple approvals.
Installed-chain relationship	The cable remains serviceable only within the documented probe-extension-Proximitor total length.
Replacement boundary	A different cable length, armor or protector option changes the calibrated path or mechanical protection.
Release evidence	Confirm both companion identities, total electrical length, protected joints and returned Proximitor response.

Available unit details

Offered configuration	7.0 m standard FEP triaxial extension cable without armor.
Selected termination	ClickLoc interfaces with connector protector and multiple approvals.
Included scope	One extension cable; probe, Proximitor, monitor and route hardware are separate unless itemized.

Source and applicability record

Verified source	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AL
Applicability boundary	Exact cable fields and electrical values are from 141194 Rev. AL. Range and scale remain complete-system properties.
Product family	3300 XL 8 mm proximity transducer system

Additional related product references

Related product	Bently Nevada 330980-70-CN
Related product	Bently Nevada 330930-040-03-00
Related product	Bently Nevada 84661-96
Related product	Bently Nevada 330102-00-28-10-02-05

Product-specific purchasing decisions

Which probe lead completes the chain with 330130-070-02-05?	Add the marked probe lead to this 7.0 m cable and require the total to match the installed Proximitor option.

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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