330130-085-02-CN

3300 XL Standard Extension Cable

Bently Nevada 330130-085-02-CN is an 8.5 m standard 3300 XL extension cable with a connector protector and country-specific CN ordering option.

Executive product dashboard

Matched electrical path

Cable length is selected together with probe length to reach the Proximitor Sensor calibration length.

Protected detachable interface

The standard cable includes a connector protector for the probe-side ClickLoc joint.

Country-specific execution

CN is retained as the documented country ordering option without assigning an unsupported approval description.

Exact order-code identity

Cable family	330130 3300 XL standard extension cable
Cable length	8.5 m (27.9 ft)
Connector and cable option	02 - Standard cable with connector protector
Agency option	CN - Country-specific ordering option
Cable construction	75 ohm triaxial, FEP insulated
Typical capacitance	69.9 pF/m
Nominal center-conductor resistance	1.87 +/- 0.28 ohm at 8.5 m
Nominal jacket resistance	0.56 +/- 0.11 ohm at 8.5 m

330130-085-02-CN is an 8.5 m FEP-insulated triaxial extension cable for the 3300 XL 8 mm transducer family. Option 02 provides the standard cable with a protector at the probe-to-extension connection.

Configuration and technical capability map

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

Connector material	Gold-plated brass or beryllium copper
Standard cable temperature	-52 to +177 deg C

Installed signal or connection path

3300 XL probe > **ClickLoc joint** > **330130-085-02-CN** > **Proximitor Sensor** > **Monitor channel**

System interpretation boundary

The extension cable is part of the calibrated electrical chain. Its length must be added to the probe lead and matched to the total length of the selected 3300 XL Proximitor Sensor.

The CN suffix is listed by the manufacturer as an available country-specific ordering option for 330130. Installation acceptance still depends on the exact supplied marking, applicable approval documentation, connector condition and complete-channel response.

Applications and installed-fit decisions

Long probe-to-sensor routing

Provide 8.5 m of extension between the probe connection and the Proximitor Sensor location.

Protected connector joints

Use the fitted protector over the finger-tight ClickLoc interface in the machine environment.

Matched 9 m systems

Combine with the appropriate 0.5 m probe lead where the installed Proximitor Sensor requires 9 m total length.

Country-option maintenance

Retain the CN suffix and the associated supplied documentation when replacing the installed cable.

Engineering decision matrix

How does 330130-085-02-CN fit a 9 m transducer system?	It is normally paired with the appropriate 0.5 m probe lead so the probe and 8.5 m extension cable total 9 m.
What does option 02 provide on 330130-085-02-CN?	It selects standard FEP-insulated cable with a connector protector at the probe-side ClickLoc joint.
What can be concluded from the CN suffix on 330130-085-02-CN?	The manufacturer lists CN as an available country-specific ordering option; the applicable supplied approval documentation must be checked separately.
How should the connectors on 330130-085-02-CN be tightened?	Seat compatible ClickLoc connectors finger-tight until locked; do not exceed the documented 0.565 N m maximum connector torque.

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

Add the electrical lengths

Confirm probe lead plus 8.5 m cable equals the Proximitor Sensor requirement.

Keep connectors clean

Prevent oil, debris and moisture from entering before the ClickLoc joint is seated.

Fit the protector correctly

Do not trap, twist or sharply bend the cable beneath the protector.

Respect the bend radius

Maintain at least 25.4 mm through the complete routed path.

Retain the CN suffix

Do not replace it with 00 or 05 without an approved selection review.

Test the complete channel

Verify continuity, gap voltage and dynamic response after cable replacement.

Additional technical questions

What continuity value is expected for 330130-085-02-CN?	The 8.5 m cable has a nominal center-conductor resistance of 1.87 ohm with the documented tolerance; compare using an appropriate method and disconnected circuit.
Why is the 25.4 mm bend radius important for 330130-085-02-CN?	Tighter bends can damage the triaxial construction or alter the routed connector load and channel reliability.
Can 330130-085-02-CN be substituted by any 8.5 m coaxial cable?	No. Preserve the 3300 XL triaxial construction, capacitance, connector system, option suffix and matched electrical length.
What should be proven after replacing 330130-085-02-CN?	Confirm connector seating, continuity, system gap voltage, stable bias and the expected vibration or position response at the monitor.

Technical notes

Exact configuration	8.5 m standard FEP extension cable, connector protector and CN country-specific ordering option
Calibration relationship	Probe and extension-cable lengths must sum to the Proximitor Sensor total length
Technical reference	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN; Approvals Quick Reference Guide 108M1756 Rev. AV

Source record, related portfolio and contact

Manufacturer reference	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN; Bently Nevada Approvals Quick Reference Guide 108M1756 Rev. AV
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

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 330130-085-02-CN.