330730-040-01-00

3300 XL 11 mm Extension Cable

Bently Nevada 330730-040-01-00 is a 4.0 m armored extension cable for a matched 3300 XL 11 mm proximity transducer system.

330730-040-01-00 configuration dashboard

Calibrated system-length link

The 4.0 m cable combines with the selected probe lead to complete the Proximitor Sensor electrical length.

Armored route protection

Flexible stainless-steel armor adds mechanical protection along exposed machinery and conduit paths.

Serviceable ClickLoc interfaces

Finger-tight probe and sensor connections support controlled field replacement without special connector tooling.

Exact order-code identity

Cable family	3300 XL 11 mm extension cable
Cable length	4.0 m (13.1 ft)
Connector and cable option	01 - Armored standard cable
Agency approval option	00 - Not required
Conductor construction	75 ohm triaxial, FEP insulated
Armor material	Flexible AISI 302 stainless steel
Armor jacket	FEP outer jacket
Cable capacitance	69.9 pF/m typical

330730-040-01-00 is the 4.0 m, armored, standard-cable execution of the 330730 family. The exact length and construction are electrical elements of the 3300 XL 11 mm calibrated transducer chain.

3300 XL 11 mm Extension Cable technical capability map

Center-conductor resistance	1.0 +/- 0.25 ohm for 4.0 m
Operating and storage temperature	-52 to +177 deg C
Connector contact material	Gold-plated brass
Matched system lengths	5 m or 9 m including probe lead and extension cable

Jacket resistance	0.3 +/- 0.1 ohm for 4.0 m
Minimum bend radius	25.4 mm
Connector torque	Finger-tight ClickLoc connection

Installed signal or connection path

3300 XL probe > **ClickLoc joint** > **330730-040-01-00** > **Proximitor Sensor** > **Monitor channel**

System interpretation boundary

Flexible stainless-steel armor protects the FEP-insulated triaxial cable, but the run still requires independent support, controlled bend radius and clean ClickLoc connections at both ends.

The probe lead plus this 4.0 m extension cable must equal the Proximitor Sensor total length. Acceptance includes identity, connector condition, resistance or continuity where appropriate, stable gap voltage and expected channel response.

Application fit decisions for 330730-040-01-00

Five-metre system completion

Combine the 4.0 m extension cable with the documented 1.0 m probe lead for a 5 m electrical chain.

Armored machinery routing

Use independent supports where the cable crosses exposed machine or conduit transitions.

Long-range 11 mm measurement

Maintain the calibrated 11 mm signal path for radial vibration or axial position channels.

Controlled cable replacement

Retain probe geometry while exchanging only the verified cable construction and length.

Engineering decision matrix

Why is the 4.0 m length of 330730-040-01-00 electrically important?	Probe lead plus extension cable must equal the Proximitor Sensor total length; changing cable length changes the calibrated chain.
What does option 01 add to 330730-040-01-00?	It selects the standard FEP electrical cable with flexible stainless-steel armor, without a connector protector.
Which probe normally forms a 5 m chain with 330730-040-01-00?	A compatible 1.0 m 3300 XL 11 mm probe lead combines with this 4.0 m extension cable to total 5 m.
How should the armor of 330730-040-01-00 be supported?	Clamp the route independently so cable weight and machine vibration do not load the connector bodies or armor ferrules.

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

330730-040-01-00 service controls and maintenance logic

Confirm the 040 length code

Measure the intended route and verify the 4.0 m electrical length before installation.

Support the armor independently

Do not suspend cable weight from either ClickLoc connector or use the armor as a pulling member.

Keep connectors clean and dry

Inspect contact surfaces before making finger-tight connections.

Maintain the bend radius

Route every turn at or above 25.4 mm and avoid crushing the armored section.

Match the complete chain

Add the probe lead and 4.0 m cable before selecting the 5 m or 9 m Proximitor Sensor.

Verify live channel response

After reconnection, check stable gap, runout and expected dynamic or position indication.

Additional technical questions

What resistance values support a bench check of 330730-040-01-00?	The 4.0 m cable has documented center-conductor resistance of 1.0 +/- 0.25 ohm and jacket resistance of 0.3 +/- 0.1 ohm.
Does 330730-040-01-00 include connector protectors?	No. Option 01 is armored standard cable without protectors; add only the approved protection required by the installation.
Why can 330730-040-01-00 not be replaced with generic triaxial cable?	Its calibrated length, capacitance, resistance, ClickLoc interfaces and mechanical construction are defined parts of the 11 mm system.
What final proof is required after fitting 330730-040-01-00?	Confirm both connections, stable gap voltage, expected monitor indication and the intended vibration or position response.

Technical notes

Exact configuration	4.0 m armored standard 3300 XL 11 mm extension cable; no agency-approval option
Calibration relationship	Cable length, capacitance, resistance and connectors are part of the complete matched transducer chain
Technical reference	Bently Nevada 3300 XL 11 mm Proximity Transducer System Datasheet 146256 Rev. T

330730-040-01-00 source record and supported references

Manufacturer reference	Bently Nevada 3300 XL 11 mm Proximity Transducer System Datasheet 146256 Rev. T
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 330730-040-01-00.