330130-085-03-00

3300 XL Standard Extension Cable

Apter Power field guide covering identity capture, installed relationships, controlled replacement, commissioning and handover.

Cable order identity and system length

330130-085-03-00 is an 8.5 m FEP-insulated triaxial extension cable with flexible stainless-steel armor. Option 03 adds a protector at the probe-side ClickLoc joint while the final 00 code selects no agency approval option.

Complete identity record

Cable family	330130 3300 XL standard extension cable
Cable length	8.5 m (27.9 ft)
Connector and cable option	03 - Armored cable with connector protector
Agency approval option	00 - Not required
Cable construction	75 ohm triaxial, FEP insulated
Armor construction	Flexible AISI 302 or 304 stainless steel with FEP jacket
Typical capacitance	69.9 pF/m
Nominal center-conductor resistance	1.87 +/- 0.28 ohm at 8.5 m

Installed relationship

Electrical length and cable construction are part of the complete 3300 XL 8 mm chain

Armored machinery runs

Protect the long routed cable from incidental mechanical contact.

Matched 9 m chains

Combine with the appropriate 0.5 m probe lead for a 9 m Proximitor Sensor system.

Protected probe joints

Use the supplied connector protector where the probe-to-cable interface is exposed.

Maintenance cable exchange

Replace the cable without changing the installed probe geometry, then prove the full channel.

Evidence boundary

Exact configuration	8.5 m armored FEP extension cable with connector protector and no approval option
Calibration relationship	Electrical length and cable construction are part of the complete 3300 XL 8 mm chain
Technical reference	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN

Connector and routing readiness

The cable is an electrical component of the calibrated 3300 XL 8 mm chain, not a generic extension. Probe lead length plus this 8.5 m cable must equal the total length required by the Proximitor Sensor.

Readiness checks

Verify code 03

Confirm both armor and connector protector are present on the supplied cable.

Support the armor

Prevent cable weight and vibration from loading either ClickLoc connector.

Maintain the bend radius

Keep all bends at or above 25.4 mm.

Keep mating surfaces clean

Remove oil and debris before finger-tight connection.

Match the total length

Add probe lead and 8.5 m cable before selecting the Proximitor Sensor.

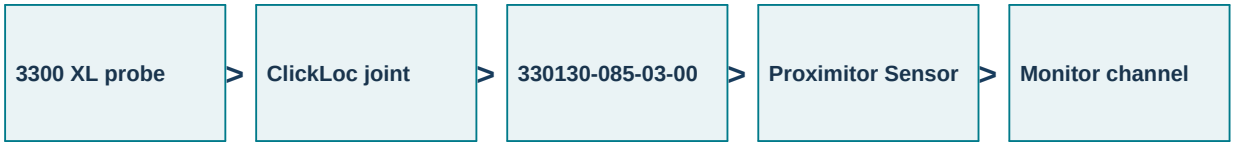
Confirm channel response

Check continuity, gap voltage and dynamic signal after installation.

Technical values used for fit decisions

Nominal jacket resistance	0.56 +/- 0.11 ohm at 8.5 m
Minimum bend radius	25.4 mm
Connector material	Gold-plated brass or beryllium copper
Maximum connector torque	0.565 N m
Cable temperature	-52 to +177 deg C
System matching rule	Probe plus extension cable equals Proximitor system length

Installed signal or connection path



Readiness boundary

Application scope: Use it where an 8.5 m calibrated extension and additional mechanical protection are required in a 3300 XL 8 mm chain.

Controlled cable exchange

01 Capture	Photograph the complete marking, installed position, connections and companion hardware before disturbance.
02 Isolate	Apply the approved machine or system isolation and prove the required de-energized state.
03 Compare	Check every order-code value and mechanical interface against the offered item and approved drawing.
04 Remove	Release connectors and supports without twisting, pulling or loading the sensing face, cable or armor.
05 Install	Confirm both armor and connector protector are present on the supplied cable. Prevent cable weight and vibration from loading either ClickLoc connector.
06 Reconnect	Keep all bends at or above 25.4 mm. Remove oil and debris before finger-tight connection.
07 Energize	Use the approved staged procedure and monitor the expected static state before functional testing.
08 Prove	Check continuity, gap voltage and dynamic signal after installation.

Field decisions

What makes 330130-085-03-00 different from option 02?

Option 03 combines stainless-steel armor with a connector protector; option 02 is a protected standard cable without armor.

Which probe length normally completes a 9 m chain with 330130-085-03-00?

A compatible 0.5 m 3300 XL probe lead combines with the 8.5 m extension cable to total 9 m.

How should the armor of 330130-085-03-00 be supported?

Provide independent clamps and routing support so cable weight and vibration do not load the connectors or ferrules.

What resistance check can be used on 330130-085-03-00?

The 8.5 m cable has documented nominal center and jacket resistance values; measure only with the cable safely disconnected and an appropriate test method.

Further model-specific decisions

Does 330130-085-03-00 select hazardous-area approvals?	No. The final 00 code means an agency approval option is not required by this order code.
How is the protector installed on 330130-085-03-00?	First make the clean ClickLoc connection finger-tight, then fit the protector without twisting the cable or violating the bend radius.
Why can 330130-085-03-00 not be replaced by generic triaxial cable?	Its capacitance, resistance, connectors, armor, protection and calibrated length are part of the 3300 XL transducer performance.
What final proof is required after fitting 330130-085-03-00?	Record continuity, stable gap voltage, expected monitor indication and dynamic response with the matched probe and Proximitor Sensor.

Electrical proof and handover

Identity accepted	Complete order code and supplied execution agree with the approved record.
Mechanical acceptance	Mounting, insertion, routing, support and connector condition match the documented arrangement.
Electrical acceptance	Continuity, static bias or gap and receiving-channel state are within the approved baseline.
Functional acceptance	Representative measurement or connection response agrees with the recorded machine condition.
Handover record	Retain photographs, as-left values, companion identities, deviations and responsible release.

Release record

As-found evidence	Complete marking, installed position, connection map and baseline readings retained.
As-left evidence	Installed identity, mechanical datum, static reading and functional result retained.
Approval basis	Site procedure, applicable manufacturer document and responsible release recorded.

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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