

3300 XL 11 mm | Cable Dashboard

330730-040-12-00

EXTENSION CABLE

Bently Nevada 330730-040-12-00 is a 4.0 m 3300 XL 11 mm extension cable with FluidLoc construction and connector protectors. Pair it with the documented 11 mm probe and Proximitors so the probe-plus-extension length matches the sensor's configured system length.

CABLE LENGTH OPTION 040

4.0 m

CONNECTOR AND CABLE OPTION 12

FluidLoc cable with connector protectors

CABLE ARMORING

Unarmored

AGENCY APPROVAL OPTION 00

Not required

SYSTEM POSITION

11 mm probe -> 4 m FluidLoc cable -> matched 11 mm Proximitors -> monitoring channel. A 1 m probe plus this cable forms the selected 5 m chain.

Cable Capability Map

Cable construction	75 ohm triaxial, FEP insulated	Minimum bend radius	25.4 mm
Connector material	Gold-plated brass	Connector mating torque	Finger tight; 0.565 N m maximum
4 m core resistance	1.0 +/- 0.25 ohm	Connector joint tensile rating	270 N maximum
4 m coaxial resistance	0.3 +/- 0.1 ohm	Matched 5 m chain	1 m probe plus 4 m extension cable
Typical cable capacitance	69.9 pF/m	FluidLoc role	Restricts internal oil or liquid migration
Cable operating temperature	-52 to +177 deg C	Connector protection	Protectors supplied by option 12

INTERPRETATION

The published resistance values describe an isolated 4.0 m cable. Output scale and linear range belong to the complete matched probe-cable-Proximitor system.

Integration and Application

Machine vibration loop

Retain the selected 11 mm transducer chain and monitoring channel.

Shaft position loop

Maintain the documented probe target gap and total cable length.

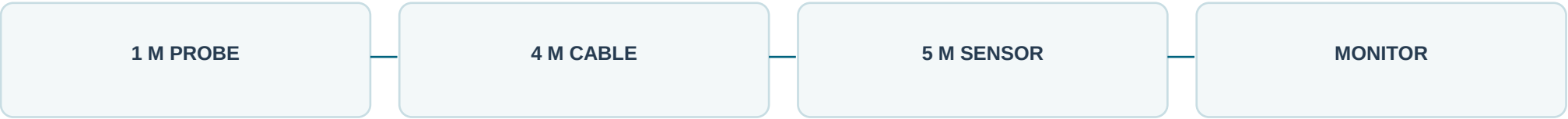
Turbine installation

Use protected ClickLoc connections where the route faces moisture or oil.

Cable replacement

Preserve cable routing, system length and accepted monitor configuration.

MATCHED 5 M CHAIN



Questions and Service Decisions

Why does 330730-040-12-00 use the 040 cable code?

Code 040 selects a 4.0 m extension cable. With a 1.0 m 3300 XL 11 mm probe, the cable completes a 5.0 m chain for the matching Proximity Sensor.

What does connector option 12 add to this 3300 XL 11 mm cable?

Option 12 is unarmored FluidLoc cable with connector protectors. The protectors add environmental shielding around the ClickLoc joints, especially in moist locations.

Does the FluidLoc construction make 330730-040-12-00 an armored cable?

No. FluidLoc restricts liquid migration through the cable interior; armored FluidLoc is a separate option 11 or 13. Option 12 has protectors but no armor.

Which continuity values apply to the 4 m extension before connection?

For the 4.0 m cable, center-to-center resistance is 1.0 +/- 0.25 ohm and coaxial-to-coaxial resistance is 0.3 +/- 0.1 ohm. Isolate the cable before testing.

Can a 330730-040-12-00 be placed in a 9 m 11 mm system with a 1 m probe?

Not as the only extension cable: 1 m plus 4 m totals 5 m. The probe and extension cable lengths together must equal the Proximity Sensor's total system length.

What cable temperature limit should be checked at installation?

The 3300 XL 11 mm extension cable is specified for -52 to +177 deg C operating and storage temperature. Confirm the actual cable route stays within that range.

CONTROLLED RELEASE

Check exact cable option, continuity, protected ClickLoc joints, configured 5 m system and accepted monitored response.

Source and Related Portfolio

RELATED BENTLY NEVADA PAGES

- 01** Bently Nevada 330703-000-100-10-02-00
- 02** Bently Nevada 330709-000-050-10-02-00
- 03** Bently Nevada 330730-080-12-CN
- 04** Bently Nevada 330709-000-040-50-02-00

SERVICE HANDOVER

Record complete identity, installed route, matched probe and sensor, cable-continuity result and channel acceptance evidence.

MANUFACTURER SOURCE RECORD

Baker Hughes / Bently Nevada, 3300 XL 11 mm Proximity Transducer System Datasheet, 146256 Rev. T.

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