

Field Boundary and Job Scope

330854-040-24-05

INSTALLED POSITION

This 4 m 3300 XL 25 mm extension cable connects the turbine probe to the matching Proximitior. Confirm the installed 5 m chain before isolating the channel.

Identify

Record 040 length, 24 cable execution and 05 approval suffix.

Protect

Place the monitored turbine and channel in an approved maintenance state.

Map

Record probe, sensor, cable path and both ClickLoc joints.

Baseline

Retain accepted gap, diagnostics and monitor settings.

COMPONENT BOUNDARY

Do not fit an 8 mm or 11 mm extension in the 25 mm chain. Keep the matched length and all three 3300 XL components aligned.

Pre-installation Acceptance

01 MARKING

Confirm exact 330854-040-24-05 label and the 25 mm installed system.

02 ROUTE

Confirm high-temperature FluidLoc cable, bend clearance and absence of armor.

03 COMPANIONS

Confirm 1 m probe and 5 m 25 mm Proximitor assignment.

04 CONNECTOR

Inspect high-temperature ClickLoc faces for contamination or damage.

05 ELECTRICAL

With cable isolated, compare core and coaxial resistance with 4 m data.

06 ENVIRONMENT

Keep the cable within its -35 to +200 deg C rated route.

HOLD POINT

Reject a damaged cable, mismatch in 25 mm system length or failed isolated continuity before reconnection.

Installation Sequence

01 Isolate and identify the original probe-side and sensor-side cable joints.

02 Record the routing and support of the installed 25 mm FluidLoc cable.

03 Inspect the replacement 040 / 24 / 05 execution and cable sheath.

04 Route the unarmored cable without sharp bends, crushing or excess tension.

05 Keep both high-temperature ClickLoc connector faces clean and dry.

06 Mate finger-tight and stay below the 0.565 N m connector limit.

07 Restore the 1 m probe plus 4 m cable pairing at the 5 m Proximitior.

PROTECTION

Restore the documented connector protection and routing before energization; no strand, shield or joint should be placed under mechanical stress.

Commissioning Evidence

IDENTITY	Cable label and all three option segments agree with the job record.
LENGTH	Probe plus extension equals 5 m at the installed 25 mm Proximator.
CONTINUITY	Isolated core and coaxial paths were accepted before mating.
CONNECTIONS	ClickLoc joints are protected, seated and strain-free.
MEASUREMENT	Controlled gap movement produces expected monitor direction and response.
HANDOVER	Retain final channel diagnostics and the accepted configuration.
RELEASE	Release only after the complete 25 mm differential-expansion chain and controlled monitor response are accepted.

Fault Isolation and Handover

Open or unstable reading

Check cable continuity, connector seating, route and total matched length before changing monitor calibration.

Heat or seal concern

Inspect the high-temperature FluidLoc sheath and both connector interfaces; restore the approved protection.

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03 Bently Nevada 330850-50-05

04 Bently Nevada 330850-51-cn

05 Bently Nevada 330851-04-000-040-10-01-00

06 Bently Nevada 330851-000-070-10-00-05

FINAL RECORD

Retain exact marking, 25 mm probe and Proximitor pairing, 4 m continuity, connector condition and final channel response.

MANUFACTURER SOURCE RECORD

Baker Hughes / Bently Nevada, 3300 XL 25 mm Proximity Transducer System Datasheet, 163236 Rev. M.

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