

Installation & commissioning

Controlled replacement workflow for 84661-6

Prepare / identify

Confirm the full cable marking, sensor interface and terminal-lug assignment from the installed drawing.

Make safe / record

Place the affected machine and monitor channel in the approved maintenance state. Record the as-found route and termination.

Inspect / install

Inspect armor, shielded conductors, female connector and terminal lugs; fit without damage or avoidable strain.

Restore / prove

Restore every connection from the approved record, then check diagnostics and controlled signal response.

Pre-installation checklist

Reject a look-alike cable when its execution or interfaces differ

Article marking	84661-6 matches the job record
Cable family	84661 armored construction required
Sensor connector	Two-socket moisture-resistant female interface matches
Receiving end	Terminal lugs fit the approved landing arrangement
Conductor record	Two shielded, twisted 22 AWG conductors
Process state	Affected channel placed in maintenance control
As-found record	Routing and terminal assignments captured
Physical condition	No visible damage to armor, connector or lugs

Hold point

Do not proceed if the installed sensor-side connection or receiving-circuit wiring cannot be matched to the approved record.

Controlled fit and termination

Each physical interface has a separate acceptance check

A / Protect the connector

Inspect and clean the mating sensor interface. Connect the two-socket female end only to its approved partner.

B / Preserve the route

Follow the recorded cable path. Support the armor so that adjacent equipment cannot abrade or pinch it.

C / Land the lugs

Confirm terminal identity against the circuit drawing before fastening the receiving end.

D / Review shield practice

Retain the installation's approved shield and grounding arrangement; do not infer a new bond from cable appearance.

E / Document the result

Record the installed cable identity, route, connector condition and final terminal assignment.

Functional release

Prove the cable path in the actual monitoring chain

Identity	Full cable marking agrees with the work order
Connector	Female plug seated at the documented accelerometer
Lugs	Receiving terminals secure and correctly assigned
Routing	Armor supported without pinch or abrasion
Diagnostics	No unexplained sensor or channel fault
Response	Controlled channel test satisfies the acceptance record

Manufacturer evidence

Baker Hughes / Bently Nevada, IEPE Accelerometer Series Datasheet, 124M2609 Rev. H, cable ordering information, p. 19.

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SCAN TO CHAT

The manufacturer cable record establishes construction and terminations; it does not establish a stand-alone electrical rating for this exact cable.