Installation and Commissioning Guide

16710-09

01 / Trace the interconnect

The offered item is a cable, not the accelerometer or monitor.

330400 / 330425 • **3-socket plug** • **Armored cable** • **Terminal lugs**

Check	Selected reference	Installation action
Complete marking	16710-09	Keep the length suffix on the enquiry and job record.
Ordered length	9 ft (2.74 m nominal)	Compare the route and service slack.
Construction	3 shielded conductors; 22 AWG	Inspect armor and jacket at both exits.
Transducer end	3-socket plug	Check mating key and contact condition.
Receiving end	Terminal lugs	Trace each core and shield to the channel drawing.
Role	Interconnect only	Do not assign accelerometer sensitivity to the cable.

PRE-WORK SEQUENCE

Identify — Confirm the installed transducer, instrument and complete cable marking.

Route — Measure the actual machinery path and protection needed at the cable entry.

Isolate — Mark original terminals and shield treatment before disconnecting the old lead.

Connect — Mate the plug and terminate the lugs only to the controlled drawing.

CABLE-SPECIFIC HOLD POINTS

Hold point	Release condition
Plug	Keying and mating connector condition agree with installed transducer.
Lugs / shield / armor	Three conductor and shield terminations match the drawing; armor support is documented.

CONTINUITY AND CHANNEL ACCEPTANCE

Inspection point	Acceptance action
Plug and lugs	Compare contact and terminal identity with installed drawings.
Individual conductors	Isolate both ends before checking end-to-end continuity.
Shield	Trace the approved shield landing; do not infer it from cable color.
Armor and strain	Check crush points, connector exit, bend and support.
Signal return	Reconnect and check monitored response under approved site procedure.

FAULT ISOLATION DECISION PATH

Unstable signal • **Isolate cable** • **Check cores / shield** • **Recheck channel**

A good end-to-end conductor test does not prove the shield termination or connected accelerometer is correct. Compare the as-left response with the approved channel baseline.

Reference basis: Bently Nevada 330400 and 330425 Accelerometers, 141638 Rev. AB. Cable ordering information belongs to 16710; accelerometer ratings belong to the selected transducer.

Technical enquiry

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