84661-12

Standard Armored Interconnect Cable

A field-work document for evidence capture, controlled installation, commissioning and handover. Product specifications remain in the separate View PDF and manufacturer excerpt.

84661-12 cable identity and endpoints

Pre-work evidence pack

Exact supplied marking	84661-12 — photograph every character and label
Installed asset reference	Machine, bearing, channel, cabinet and drawing identifiers
Mechanical witness record	Insertion datum, locknut or bracket position, connector orientation and route
Companion identities	Probe, cable, sensor, interface, monitor or terminal designations as applicable
As-found electrical record	Static bias, gap, continuity or channel state captured by the approved method
Work-control basis	Isolation, permit, site procedure, applicable drawing and responsible person

Installed relationship to preserve

Compatible velocity sensor, armored cable route, terminal lugs and receiving channel



Evidence-capture instruction

Photograph the sensor connector, every ring-lug destination, shield landing, route supports and cable identification.

Readiness gate

Identity gate	Exact item and installed record agree before work begins.
Interface gate	Mechanical and electrical endpoints are identified and accessible.
Safety gate	Approved isolation and stored-energy controls are active.
Evidence gate	As-found photographs and readings are retained.

Armored route and termination control

Controlled removal sequence

01 Review	Confirm the work pack, exact identity and approved isolation boundary.
02 Capture	Photograph the sensor connector, every ring-lug destination, shield landing, route supports and cable identification.
03 Mark	Apply temporary labels and witness marks that do not damage the component.
04 Disconnect	Label each conductor and shield, release terminal lugs, support the armor and disconnect the sensor end by the connector body.
05 Protect	Cap open connections, protect sensing or contact surfaces and retain removed hardware by location.
06 Compare	Place the removed and offered items side by side; resolve every difference before installation.

Handling controls

No cable pulling

Handle connector bodies and supported component sections; never use a lead or armor as a lifting point.

No uncontrolled rotation

Prevent twisting through connectors, ferrules, probe leads and terminal lugs.

Clean interfaces only

Keep open contacts and sensing faces dry, covered and free of metal particles or process residue.

Preserve the route

Retain clamps, bend locations, separation and strain relief shown by the approved installation.

Stop-work triggers

Unresolved identity difference	Do not substitute an adjacent model or option code.
Damaged interface	Quarantine damaged threads, connectors, armor, cable or protector parts.
Missing baseline	Obtain an approved comparison record before altering the arrangement.

Continuity-led 84661-12 installation

Installation sequence

01 Prepare	Clean the work area and verify all retained hardware and companion identities.
02 Position	Reproduce the documented route, strain relief, shield treatment and terminal destinations without pulling on the armor ferrules.
03 Support	Restore clamps, strain relief, route separation and mechanical protection before energization.
04 Inspect	Confirm no trapped contamination, cable torsion, side load or unsupported connector weight.
05 Static test	Correct lug destinations, shield isolation, continuity and insulation accepted under the site test method.
06 Controlled energization	Follow the approved staged procedure and stop on unexpected bias, continuity or channel state.
07 Functional proof	Receiving channel indicates the expected sensor response without intermittent movement-related changes.
08 Record	Retain final photographs, readings, deviations, approval and release responsibility.

Commissioning worksheet

Installed identity	84661-12 / photograph reference: _____
Companion identities	_____
As-found static value	_____ Test condition: _____
As-left static value	_____ Test condition: _____
Functional result	Pass / Hold Evidence reference: _____
Deviation disposition	None / Approved reference: _____

Model-path fault isolation

Continuity is open	Check lug crimp, conductor identity and both connector contacts before replacing additional hardware.
Noise increases after exchange	Review shield landing, route separation and loose armor or terminal support.
Signal changes when cable moves	Stop service return and inspect connector engagement, strain relief and internal conductor damage.

Signal-path acceptance and handover

Acceptance record

Identity accepted	Complete supplied marking agrees with the released work order and photographs.
Mechanical acceptance	Installed datum, route, support, connector condition and protection are approved.
Electrical acceptance	Correct lug destinations, shield isolation, continuity and insulation accepted under the site test method.
Functional acceptance	Receiving channel indicates the expected sensor response without intermittent movement-related changes.
Documentation accepted	As-found and as-left evidence, deviations and approval basis are retained.

Handover package

Photographs	Complete marking, installed position, connection path and final protection
Measurements	Static value, continuity or insulation result and representative functional proof
Configuration record	Companion identities, channel or terminal assignment and approved drawing revision
Release signatures	Technician, reviewer, operations owner and date

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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