

AD4000189-530

Cable Assembly

Schneider Electric AD4000189-530 is a configured cable assembly. It provides a defined interconnection path between the installed control-system endpoints identified by the approved cabinet drawings.

PRODUCT SNAPSHOT

BRAND

Schneider Electric

FAMILY

Schneider Electric configured interconnect

PART

AD4000189-530

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PRODUCT OVERVIEW

Schneider Electric AD4000189-530 is a configured cable assembly. It provides a defined interconnection path between the installed control-system endpoints identified by the approved cabinet drawings.

1 Preserves the installed point-to-point connection path during like-for-like service

2 Keeps connector identity and cable orientation controlled through removal and installation

3 Supports documented continuity and insulation checks before equipment restoration

4 Provides a replaceable interconnection assembly for an engineered control installation

SYSTEM COMPONENTS

installed source-side connector

installed destination-side connector

cabinet cable supports and strain relief

approved wiring and loop drawings

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
ATV320U75N4B	Altivar Machine variable speed drive	Open product page
MICROLOGIC 6.0 A	Electronic circuit-breaker trip unit	Open product page
TSXP574634M	Modicon Premium Unity processor	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Catalog reference	AD4000189-530

PARAMETER	VALUE
Assembly class	Cable assembly

SYSTEM CONNECTION AND ACCEPTANCE RECORD

RECORD ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	installed source-side connector
Companion hardware	installed destination-side connector
Field connection	cabinet cable supports and strain relief
Primary system function	Preserves the installed point-to-point connection path during like-for-like service
Controlled acceptance duty	Control-cabinet interconnection renewal

TECHNICAL NOTE

Before disconnecting AD4000189-530, photograph both endpoints and record connector keys, orientation, cable tags, support points, shield treatment and every intermediate route. After installation, complete continuity, insulation, grounding and controlled system-response checks against the approved site procedure.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Control-cabinet interconnection renewal

Preserves the installed point-to-point connection path during like-for-like service

Safety-system cable replacement

Keeps connector identity and cable orientation controlled through removal and installation

Shutdown maintenance connection verification

Supports documented continuity and insulation checks before equipment restoration

Legacy control-system wiring restoration

Provides a replaceable interconnection assembly for an engineered control installation

PRODUCT PRECAUTIONS

- 1 Verify the complete AD4000189-530 reference and both installed endpoints before disturbing the assembly.
- 2 Place the connected equipment in the approved maintenance state and isolate all applicable energy sources.
- 3 Record connector orientation, keying, cable tags, routing and strain-relief locations before disconnection.
- 4 Protect pins, sockets and connector shells from ESD, contamination, moisture and mechanical impact.
- 5 Route the replacement without tension, crushing, unsupported weight or bend stress at either connector.
- 6 Restore shielding, grounding and cabinet bonding exactly to the approved wiring documentation.
- 7 Perform point-to-point continuity and insulation checks before reconnecting energized equipment.
- 8 Complete controlled diagnostics and functional testing before returning the connected system to service.

ENGINEER FAQ

Q1 Which identifiers must be recorded before replacing AD4000189-530?

Record the complete AD4000189-530 marking, both endpoint designations, connector orientation and keying, cable tags, route, supports, shield termination and the as-found diagnostic state.

Q3 What isolation is required before disconnecting AD4000189-530?

Place the associated control or safety function in its approved maintenance state, isolate all electrical and process energy that can reach either endpoint, and prove the work area safe.

Q5 Which electrical checks should be completed on AD4000189-530 before energization?

Use the approved test method to verify point-to-point continuity, absence of shorts or cross-connections, insulation condition, shield continuity and grounding without exposing connected electronics to an unsafe test voltage.

Q7 What should be checked if the system reports faults after fitting AD4000189-530?

Recheck connector seating, fasteners, key orientation, point-to-point identity, shield and ground continuity, cable support, endpoint power state and system diagnostics before replacing additional hardware.

Q2 How should engineers confirm endpoint compatibility for AD4000189-530?

Compare each connector shell, key, contact arrangement, latch or fastener and destination designation with the removed assembly and the approved cabinet wiring drawings before connection.

Q4 How should AD4000189-530 be routed inside the cabinet?

Follow the documented route and support points, keep the assembly free from sharp edges and hot surfaces, and avoid tensile load, crushing or bend stress at the connector exits.

Q6 How should shields and grounding be handled when installing AD4000189-530?

Restore every shield, drain, connector shell and cabinet-bonding connection to the same documented endpoint and termination method; do not invent a new grounding arrangement during replacement.

Q8 What commissioning record should be retained for AD4000189-530?

Retain the full part identity, as-found and as-left endpoint records, continuity and insulation results, routing photographs, final diagnostics, functional-test result and authorization to return the system to service.