

Installation Instructions

07SK90R1

industrial programming cable

ABB Advant Controller 31

Before work begins

- 01 Confirm the exact 07SK90R1 article number and installed equipment position.
- 02 Place the equipment in a safe state, isolate all energy sources and follow the applicable ABB discharge or lockout procedure.
- 03 Record terminals, connectors, signal cables, cooling provisions and protective-earth conductors.
- 04 Use ESD controls and qualified industrial-service personnel throughout the replacement.

Model-specific connection checks

Manufacturer	ABB
Exact Article Code	07SK90R1
Product Family	ABB Advant Controller 31
Component Type	Industrial Programming Cable
System Class	DCS System
Mounting Format	External cable assembly
System Interface	CS31 system bus
Control Supply	24 V DC control class
Channel Capacity	Point-to-point connection
Signal Standard	Manufacturer keyed cable

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or terminals; restore all shields, grounds and cooling provisions.
- Secure power and signal connections under the applicable manufacturer procedure.

Commissioning and return to service

- 01 I/O and diagnostic functional test.
- 02 Check insulation and protective-earth continuity before energising..
- 03 Restore auxiliary and main power in the approved sequence..
- 04 Observe controller, interface and equipment diagnostics..
- 05 Test the connected signal, network, motor or power function at a controlled operating point..
- 06 Record the final article number, test results and maintenance approval..

This AMIKON installation reference supplements the applicable ABB controlled documentation and the site safety procedure. Warranty: 12 months from AMIKON.