

Installation Instructions

102045-040-01

4 Meter Armored Cable

3300 System

Before work begins

- 01 Confirm the exact 102045-040-01 article number and installed equipment position.
- 02 Place the equipment in a safe state, isolate all energy sources and follow the applicable Bently Nevada 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

Conductor resistance	$\leq 58 \Omega/\text{km}$
Characteristic impedance	50 Ω @ 1 MHz
Velocity of propagation	0.70 c
Voltage rating	300 V rms
Temperature range	-29 ... +121 °C (-20 ... +250 °F)
Exact Part Number	102045-040-01
Product Family	3300 System
Component Type	4 Meter Armored Cable
Measurement Principle	Eddy-current proximity sensing
Nominal Probe Tip	8 mm sensor family

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 AISI 4140 steel.

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 Bently Nevada controlled documentation and the site safety procedure.
Warranty: 12 months from AMIKON.