Bently Nevada 200151-40-03-02

Apter Power installation and commissioning guide

Bently Nevada 200151-40-03-02 is a 4.0 m blue armored accelerometer interface cable with connectors at both ends and nylon coupling nuts.

01 / Work scope

The 200151 cable carries the accelerometer connection in a Trendmaster measurement installation.

Selected assembly

Parameter	Selected configuration
Component	accelerometer interface standard cable
Connection	connectors at both ends
Cable length	4.0 m
Cable color	blue
Armor	included
Coupling nuts	nylon

System position

Boundary	Installed-system relationship
Signal-cable context	200151-40-03-02 links a suitable accelerometer to its receiving interface in a documented Trendmaster arrangement.
Compatibility scope	Check connector fit and cable routing for the 4.0 m armored, nylon-nut execution.

02 / Before installation

The 40 option specifies a 4.0 m cable; 03 specifies the blue armored execution. Route it along the intended machine path without stressing the connector terminations.

Parameter	Selected configuration
Cable color	blue
Armor	included
Coupling nuts	nylon
Compatible role	accelerometer-to-interface signal link

Readiness checks

Check	Reason or action
Isolation	Make the monitoring circuit safe before disconnecting the cable.
Connector fit	Check both connector bodies and nylon coupling nuts before attachment.
Bend control	Route the armored cable without sharp bends or tension at terminations.
Separation	Follow the site signal-cable routing plan around electrical interference sources.

Record the complete product marking and the installed machine drawing before removing an existing item.

03 / Mechanical and electrical fitting

The final 02 selects nylon coupling nuts. The 200151 family has connectors at both ends, unlike the separate single-ended 200152 cable family.

Sequence	Installation action
1. Isolation	Make the monitoring circuit safe before disconnecting the cable.
2. Connector fit	Check both connector bodies and nylon coupling nuts before attachment.
3. Bend control	Route the armored cable without sharp bends or tension at terminations.
4. Separation	Follow the site signal-cable routing plan around electrical interference sources.
5. Identification	Mark both cable ends before removing an installed link.
6. Acceptance	Verify channel continuity and signal response with the connected accelerometer and interface.

Configuration-specific notes

Topic	Technical limit
Cable identity	This 200151 configuration has 4.0 m blue armored cable, two connector ends and nylon coupling nuts.
System relationship	The accelerometer and receiving interface are separate components; verify their connectors before installation.

04 / Commissioning acceptance

This cable does not perform sensing or signal processing by itself. Confirm the accelerometer and receiving interface before energizing the measurement channel.

Question	Engineering answer
Is 200151-40-03-02 an accelerometer?	No. The 200151 order family is an accelerometer interface standard cable.
How long is 200151-40-03-02?	Option 40 selects a 4.0 m cable.
Does 200151-40-03-02 have armor?	Yes. Option 03 selects the blue armored cable.
How many connector ends does 200151-40-03-02 have?	The 200151 family has connectors at both ends.
Which coupling nut does 200151-40-03-02 use?	Option 02 selects nylon coupling nuts.

Acceptance record

Measurement use	Supported context
Accelerometer link	Connect the sensor output to the intended Trendmaster input path.
Armored routing	Use the armored execution where the project routing calls for that protection.

Accept the installation only after the installed system and target configuration have been checked against the machine procedure.

05 / Service handover

Question	Engineering answer
Does 200151-40-03-02 process vibration signals?	No. It is the signal cable between a suitable accelerometer and receiving interface.
Can a single-ended 200152 cable replace 200151-40-03-02 directly?	The 200152 family has a connector on the accelerometer end only, so compare both connection points first.
What must be checked before routing 200151-40-03-02?	Check the 4.0 m path, connector fit, armor clearance and bend points.

Service reference

Match both connector ends, cable route, armor and nylon coupling nuts when selecting a service cable.

Related product references

Related product	Selection note
Bently Nevada 330880-01-20-058-03-02	Separate catalogue reference
Bently Nevada 200151-20-03-00	Separate catalogue reference
Bently Nevada 200151-40-03-00	Separate catalogue reference
Bently Nevada 330851-02-000-060-10-00-00	Separate catalogue reference
Bently Nevada 330851-02-000-030-10-00-00	Separate catalogue reference
Bently Nevada 330101-00-10-10-02-00	Separate catalogue reference
Bently Nevada 330101-00-20-10-02-00	Separate catalogue reference

Technical reference: Bently Nevada 200150, 200155 and 200157 Accelerometers, 164986 Rev. Y.