Bently Nevada 106765-04

Product identity, verified technical data and engineering decisions

Velomitor XA Sensor Interconnect Cable. 106765-04 provides the documented cable connection between the associated field sensor or transmitter and its monitoring wiring. The cable is a distinct ordered part; its length code is part of the complete supply identity.

Product and supply identity

Condition	New, original product
Country of origin	USA
Shipping	Swift global dispatch
Shipping size (est.)	30cm x 30cm x 4cm
Weight	0.34 kg

Verified technical data

Cable family	106765 Velomitor XA interconnect
Ordered length	4 m (04)
Ordering span	1–25 m; 3 m increments from 1 m
Conductor construction	Two-conductor twisted, shielded; 22 AWG

Identified leads	A white; B black; SHLD green
Protective construction	Stainless-steel armor over cable
Matching sensor family	330525 Velomitor XA

Technical basis

Bently Nevada 330525 Velomitor XA Piezo-velocity Sensor Datasheet, 141633 Rev. M.

Buyer information | Overview

For installation, verify both connector ends and the required route before fitting the armored assembly. Protect the cable at entry points, maintain bend clearance and follow the installed control drawing for shield handling and hazardous-area boundaries.

If a signal becomes intermittent, isolate the loop and test continuity section by section before exchanging the sensor or transmitter. Retain the complete cable marking, route and termination record to make future fault isolation reproducible.

Buyer information | Downloads

Technical reference	Applicable original Bently Nevada technical-data excerpt
Field workflow	Apter Power installation, interface and acceptance guide

Applications and integration

Sensor-to-monitor path

Carry the documented field signal along the installed route without changing connector assignments.

Protected cable run

Route the armored construction where physical protection is needed, while controlling strain at both ends.

Replacement planning

Compare complete part marking, length and end connections with the removed cable.

Fault isolation

Inspect connectors and test conductor continuity with the channel isolated before replacing adjacent equipment.

Installation and purchase precautions

Match the ordered cable

Check the complete part number and length against the site drawing.

Inspect both ends

Verify connector fit, pin identity and visible damage before energizing.

Protect bend points

Maintain clearance and strain relief along the selected route.

Control shield termination

Follow the approved field wiring drawing; do not use armor as an assumed signal return.

Test continuity

Isolate the circuit and check each signal path before reconnecting.

Log the final route

Record cable length, path and channel result for future maintenance.

Lifecycle Status

A current manufacturer lifecycle phase for this complete identity is not established. Confirm any proposed replacement with the installed machine and monitoring-system records.

Preserve the complete marking and configuration before exchange. Availability and dispatch are confirmed in the quotation.

Available Unit Details

Compare the offered unit marking and connection arrangement with the installed part. Request available-unit photographs and confirm accessories and supply scope in the quotation.

Engineering FAQ

How should 106765-04 be matched to an installed Velomitor XA channel?	Compare the installed 330525 sensor connector, cable length and terminal arrangement with the complete drawing. The 106765 family is documented for the XA sensor; verify both ends before energizing the monitor.
What checks help isolate an open conductor in 106765-04?	With the channel isolated, check each identified A, B and shield path end to end and inspect both connector ends. Compare the result with the installed wiring record before replacing the sensor.
How should the armor and shield of 106765-04 be handled during routing?	Maintain the required bend clearance and protect the cable from abrasion. Terminate the shield according to the applicable sensor and monitor wiring drawing; do not assume armor is a signal return.
What should be checked after replacing 106765-04 with a different ordered length?	Reconfirm the installed cable route and monitoring-channel setup. The datasheet specifies lengths in 3 m increments from 1 m, so verify the actual complete order code and fit before commissioning.

Discuss the complete model and fitted revision with Apter Power.
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Other Bently Nevada references

Bently Nevada 330525-02	Velomitor XA Piezo-Velocity Sensor