

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Bently Nevada 84661-34

Armored Interconnect Cable

Bently Nevada 84661-34 Armored Interconnect Cable	
Part Number	Description
84661-34	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-01	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-02	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-03	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-04	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-05	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-06	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-07	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-08	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-09	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.
84661-34-10	2-wire shielded (22 AWG) (0.5 mm ²) cable with 2-pin female connector at each end, minimum length of 34 ft (10.36 m), maximum length of 100 ft (30.48 m), operating temperature is -50 to +120 deg C.

PRODUCT	84661-34
FAMILY	9200 / 74712 Seismoprobe
FUNCTION	Armored Interconnect Cable
STATUS	Verify exact configuration

Prepared by Amikon Limited from Bently Nevada 141626 Rev. V / 161M1037 Rev. -. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Ordered cable length	34 ft (approximately 10.36 m)
Conductor count	2 conductors
Wire gauge	22 AWG (0.5 mm ² in source 141626 Rev. V)
Conductor arrangement	Twisted pair
Electrical shielding	Shielded construction
Mechanical protection	Armored cable
Sensor-end connection	Two-socket moisture-resistant female connector

02 MOUNTING AND CONNECTION

- Check 84661-34 and the required 34-foot cable route before installation.
- Match the two-socket female connector to the selected sensor interface.
- Connect terminal lugs only to the documented instrument termination.
- Keep the cable within its published -50 to +120 deg C operating range.
- Do not use this cable with the 21128 Velocity Transducer Housing.

MANUFACTURER CONNECTION REFERENCE

9200 and 74712 Seismoprobe Velocity Transducers
Datasheet

141626 Rev. V

Cable Part Numbers

Part Number	Description
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Use 'NN' in these part numbers to specify the length (in feet) of the cable you want to order.

Standard Cables

9571-NN	2-conductor twisted, shielded 22 AWG (0.5 mm ²) cable with 2-socket moisture-resistant female connector at one end, terminal lugs at the other end (used with monitors or vibration data collectors). Cable operating temperature is -50°C to 120°C. Minimum length of 2.0 ft (0.6 m); maximum length of 99 ft (30 m).
84661-NN	2-conductor twisted, shielded 22 AWG (0.5 mm ²) armored cable with 2-socket moisture-resistant female connector at one end, terminal lugs at the other end (used with monitors or vibration data collectors). Cable operating temperature is -50°C to 120°C. Minimum length of 3.0 ft (0.9 m); maximum length of 99 ft (30 m).

Part Number	Description
9755-NN	2-wire shielded 22 AWG (0.5 mm ²) cable with 2-pin female connectors at each end (connects 9200 or 74712 Seismoprobe Velocity Transducers to Bently Nevada test kits). Cable operating temperature is -70°C to 150°C. Minimum length of 1.0 ft (0.3 m); maximum length of 99 ft (30 m).
83968-NN	2-wire straight cable with 2-pin female connector at one end and coaxial connector in the other end (used with instruments with BNC connector input jacks). Minimum length of 2.0 ft (0.6 m); maximum length of 99 ft (30 m).
High-Temperature Cables	
84508-NN	2-wire shielded 22 AWG (0.5 mm ²) cable with terminal lugs at each end. Minimum length of 1.0 ft (0.3 m); maximum length of 99 ft (30 m).
84509-NN	2-wire shielded 22 AWG (0.5 mm ²) armored cable with terminal lugs at each end. Minimum length of 3.0 ft (0.9 m); maximum length of 70 ft (21 m).
84660-NN	2-wire shielded 22 AWG (0.5 mm ²) cable with 2-socket female connector at one end, terminal lugs at the other end. Minimum length of 3.0 ft (0.9 m); maximum length of 99 ft (30 m).

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CABLE ROUTING AND CONNECTION

- Match the two-socket female connector to the selected sensor interface.
- Connect terminal lugs only to the documented instrument termination.
- Keep the cable within its published -50 to +120 deg C operating range.
- Do not use this cable with the 21128 Velocity Transducer Housing.
- Use the complete equipment instructions for wiring and commissioning procedures.

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INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Confirm cable-end compatibility; do not infer sensor ratings for the cable.
- Assess the instrument reading using the complete equipment instructions.
- Record the installed cable number, route and connected instrument.

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CONTROLLED DOCUMENTS

Official source	Bently Nevada 141626 Rev. V / 161M1037 Rev. -
Product record	84661-34
Manufacturer	Bently Nevada
Support	INFO@AMIKON.CN