BENTLY NEVADA TECHNICAL DOCUMENT

Product Data Sheet

200151-XX-XX-XX MOD:323357-15-03-00

01 PRODUCT IDENTIFICATION

Manufacturer	Bently Nevada
Model	200151-XX-XX-XX MOD:323357-15-03-00
Family	200150, 200155 and 200157 Accelerometers
Product type	Accelerometer Interface Standard Cable

02 VERIFIED TECHNICAL DATA

Conductor count	4
Conductor size	22 AWG
Shield construction	Braided shield with drain wire; minimum 85% coverage
Outer jacket	PVC
Coupling nut finish	Nickel-plated in the standard cable construction
Operating temperature	-20 to +100 deg C
Connector sealing	IP67 at the connection to the transducer and mating hardware
Connector construction	Molded to the cable

03 REMAINING TECHNICAL DATA

Minimum bend radius	63.5 mm (2.5 in), published for 200151
Cable termination arrangement	Connectors on both ends, standard 200151 series arrangement

04 TECHNICAL AND APPLICATION NOTES

Bently Nevada 200151-XX-XX-XX MOD:323357-15-03-00 identifies a modified 200151 accelerometer interface cable. The published standard 200151 arrangement has connectors at both ends. The specifications below are series reference data, not a decoding or certification of the custom modification. The standard cable specification describes four 22 AWG conductors, a braided shield with drain wire and a PVC jacket. The supplied MOD assembly requires its own configuration check: actual length, armor and coupling-nut options are not established by the wildcard model or the available series datasheet.

05 APPLICATIONS

- Connect a casing-vibration measurement point: Use the applicable 200151 cable arrangement between a documented accelerometer and its approved interface to carry the casing-vibration signal. Confirm both mating connections and the actual MOD wiring before use; the cable itself does not establish sensor sensitivity or monitor scaling.
- Retain the correct slow-machine signal chain: The source describes low-frequency monitoring with the 200155 and its designated ProTIM option. Where the controlled installation specifies a 200151 cable, verify the modified assembly and the 15.24 m maximum cable length for that sensor; do not apply the general 25 m limit instead.
- Support an engineered enveloping channel: The source pairs 200157 with its designated acceleration-enveloping ProTIM option for roller-element bearings and certain cavitation effects. Check that the ordered cable matches that engineered connection; neither a connector match nor the 200151 family name proves the complete MOD assembly is suitable.

06 INSTALLATION CONTROL

Verify the complete MOD identity and controlled wiring before installation. Follow the full installed-system instructions and the sensor-specific cable-length limit.

Sources: Bently Nevada 164986 Rev. Y, series reference only. Exact option tables and applicable system context.