

330400 AND 330425 ACCELEROMETER SYSTEM

Product Data Sheet

16925-30

Shielded accelerometer cable

FUNCTION	FAMILY	ORIGIN	WEIGHT
Shielded accelerometer cable	330400 and 330425 accelerometer system	United States	Confirm before dispatch

330400 and 330425 Accelerometer 16925-30 is a Shielded accelerometer cable for the 330400 and 330425 accelerometer system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Cable Part Number	16925-30
Cable Construction	3-conductor shielded 22 AWG cable
Conductor Size	22 AWG (0.5 mm ²)
Ordered Length	30 ft (9.14 m)
Sensor-End Termination	3-socket plug
Field-End Termination	Individual terminal lugs
Minimum Order Length	2 ft (0.6 m)
Maximum Order Length	99 ft (30 m)
Supported Transducers	330400 and 330425 accelerometers
Sensor Supply Reference	-24 ±0.5 V DC

ADDITIONAL PRODUCT DATA

Nominal Bias Current	2 mA
Output Bias Reference	-8.5 ±0.5 V DC
System Cable Limit	305 m (1000 ft)
Sensor Grounding	Case isolated
Commissioning Check	Verify continuity, shield and signal polarity

OFFICIAL APPLICATIONS

- Connect a 30-foot accelerometer run: Route the flexible 16925-30 cable between the 330400 or 330425 sensor and the monitoring termination without exceeding the documented bend and support practices.
- Carry the accelerometer output: Keep the three conductors and shield continuous so the sensor bias and dynamic acceleration signal reach the monitoring channel without avoidable noise pickup.
- Prove polarity at the monitor end: Identify each lug against the controlled drawing, check continuity and insulation, then verify sensor bias and a stable casing-vibration reading before service.

SYSTEM COMPATIBILITY

Match 16925-30 to the installed 330400 and 330425 accelerometer system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Bently Nevada 330400 and 330425 Accelerometer Datasheet 141638 Rev AB](#)

<https://dam.bakerhughes.com/m/19b6525be7684676/original/330400-and-330425-Accelerometer-Acceleration-Transducers-Datasheet-141638-pdf.pdf>

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