

3300 SYSTEM

Product Data Sheet

4454-132

Thermocouple Heat Sensor Cable

FUNCTION	FAMILY	ORIGIN	WEIGHT
Thermocouple Heat Sensor Cable	3300 System	USA	0.26 kg

3300 System 4454-132 is a Thermocouple Heat Sensor Cable for the 3300 System. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Operating Temp	-40°C to +200°C
Max. Continuous Temp	Up to 260°C
Humidity Resistance	95% RH (non-condensing)
Exact Part Number	4454-132
Product Family	3300 System
Component Type	Thermocouple Heat Sensor Cable
Measurement Principle	Eddy-current proximity sensing
Nominal Probe Tip	8 mm sensor family
Power Supply	-17.5 to -26 V DC
Scale Factor	7.87 V/mm nominal

Linear Range	0.25 to 2.30 mm
Frequency Response	0 to 10 kHz
Target Material	AISI 4140 steel
Cable Impedance	75 ohm triaxial
Output Resistance	50 ohm nominal

- Apply the documented Thermocouple Heat Sensor Cable: Use 4454-132 in the documented 3300 System measurement or protection channel. Match the exact order code, installed position, signal range and monitored machine function before work.
- Restore the recorded Thermocouple Heat Sensor Cable connections: Photograph terminals, coaxial connectors, shields, earth points, rack slot and adjacent hardware before removing 4454-132. Restore each connection to the controlled drawing.
- Validate the complete Thermocouple Heat Sensor Cable signal path: After installing 4454-132, check transducer supply, gap or zero, signal response, alarms and rack diagnostics. Record the measured values before releasing the machine channel.

Match 4454-132 to the installed 3300 System, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Bently Nevada 4454-132 manufacturer documentation](#)

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