

Leak Detection Sensor Cable Assembly

RELIABLE, COST-EFFECTIVE CABLE ASSEMBLY TO DETECT LIQUID LEAKAGE FOR APPLICATIONS USING LIQUID COOLING PLATES FOR THERMAL MANAGEMENT

To support the exponential growth of Artificial Intelligence (AI), the optimal operation of data centers is becoming increasingly important. Cooling technology plays a critical role in ensuring efficient thermal management and preventing overheating in applications such as switches. As computing power continues to advance, traditional air-cooling using heat sinks and fans is being replaced by more efficient solutions such as liquid cooling. Liquid cooling plates are widely used due to their efficiency, performance, and energy-saving capabilities.

Liquid cooling systems absorb and dissipate heat from CPUs and GPUs using a specialized cooling liquid that circulates through pipes to cold plates attached to heat-generating components, transferring heat to a radiator where it is removed by cooling fans. Leak prevention is essential to maintain system performance. Amphenol's Liquid Cooling Leakage Detection Sensor Cable Assembly provides a reliable and cost-effective solution to detect coolant leaks and ensure system reliability.

- Low-cost solution for detecting leaks from coolants in liquid-cooled data center
- Proven technology for systems using liquid cold plates
- Can be installed at the pipeline connection or at the lowest point in the system chassis
- Prevents device short circuits and corrosion; secures system performance and reliability



FEATURES

- Flexible insulation
- Less liquid will trigger the alarm
- Customized solution
- Reusable
- Thinner OD, less than 3 mm

BENEFITS

- Easy to install
- High sensitivity
- Fulfill different applications
- Cost-saving solution
- Can go into narrow spaces

TECHNICAL INFORMATION

TARGET MARKETS/APPLICATIONS



IT Datacom

PART NUMBERS

Description	Part Numbers
Leak sensor rope Type A	10183153-001LF
Leak sensor rope Type B	10180993-001LF

Find part number details using the search box on www.amphenol-cs.com

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