

Understanding Insulation

Resistance Testing

Why use an insulation testing system?
- To determine if any electrical resistance (impedance) is present between wires that will **LEAK CURRENT FROM THE WIRE**
- To use to detect faults, such as wiring, loose wire, missing or damaged insulation, etc. and respond to repair or maintenance

What does insulation mean?
- Insulation is the non-conducting material used to prevent leakage of the electric current from a conductor, such as a wire or cable.

What does an insulation resistance measurement tell us?
- Insulation resistance tells us if electrical insulation is working properly. The higher the resistance value, the better the insulation is.

What is an insulation resistance test?
- A test used to measure the resistance of electrical insulation.

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