

 Water
Management
Solutions

Tech Tip of the Month

 **Wire Specifications:**
Hardwire Communication Cable

Hardwire (model –M) requires Paige P7171D communication cable installed in conduit. The maximum length of one communication chain is 5,000 feet. Runs shorter than 100 feet, 18 gauge, multi-conductor irrigation wire in conduit may be substituted.

Flow Meter Wire

The Calsense Flow Meter uses two #14 AWG UF irrigation wires to connect to the irrigation controller: one red and one black. The maximum wire run between the flow meter and controller is 2,000 feet.

ET Gauge, Rain Bucket, and Wind Gauge Cable

Weather devices such as ET Gages and Rain Buckets require Paige P7171D cable installed in conduit. The maximum distance from the controller is 1,000 feet. Runs shorter than 100 feet, 18 gauge, multi-conductor irrigation wire in conduit may be substituted.

Wire Connectors

It is recommended that all wire runs between the controller and devices be direct pull with no splices. If wire splices are unavoidable, they should be installed in a valve box for easy accessibility. When using wire splices, tight, dry, and waterproof wire connectors are essential for correct operation of field wiring. Calsense recommends using 3M™ Scotchcast™ 3570G connector sealing packs for devices that send low voltage digital pulses to the controller such as flow meters and moisture sensors.