

ELECTRICAL

- (a) This Rule applies to irrigation control wiring where the installation, construction, maintenance, or repair of devices is exempt from the requirement of licensure as an electrical contractor pursuant to G.S. 87-43.1 and 21 NCAC 18B .0805.
- (b) Underground electrical wiring used to connect an automatic controller to any electrical component of the irrigation system shall be listed by Underwriters Laboratories (UL) as acceptable for burial underground.
- (c) Electrical wiring that connects any electrical components of an irrigation system shall be sized according to the manufacturer's recommendation.
- (d) Electrical wire splices which are exposed to moisture shall be waterproofed using a UL listed device.
- (e) Underground electrical wiring that connects an automatic controller to any electrical component of the irrigation system shall be buried with a minimum of twelve inches of backfill.
- (f) The wire connections on the two-wire path of two wire control systems shall be made using devices rated for the higher voltage of the control system.
- (g) An irrigation contractor may splice a multi-wire cable in underground applications when the wire is a minimum of 18 AWG and when the splicing device waterproofs the outermost casing of the wire.

*History Note: Authority G.S. 89G-5;
Eff. July 1, 2011;
Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. September 22, 2014;
Amended Eff. November 1, 2016.*