

PE Sprinkler Systems Wire

Conductor construction is soft drawn bare copper meeting the requirements of ASTM Specification B-3. Gauge sizes 14 thru 10 are solid conductors.

The insulation is a linear low density, high molecular weight polyethylene for systems applications of up to 600 volts.

Application: Suitable for use as power and control wire for irrigation systems.

Conductor: Soft drawn bare copper (ASTM Specs. B-3 and B-8)
Solid (14 awg thru 10 awg)

Insulation: Polyethylene (PE)

Temperature: 75° C

Voltage: 600 volts

Conductor Size	Insulation Thickness
14 awg thru 10 awg	.045

Material must be able to pass the following tests without showing signs of degradation:

Cold Bend — The insulation shall not show any cracks when sample is bent around a 3X mandrel after being subjected to -25° C for four (4) hours.

Electrical — AC test voltage, 60 seconds at 7500 volts.

Mechanical Water Absorption — Insulation shall not absorb more than 25 mg mass of water per square inch.

Sunlight Resistance Test — Samples conditioned for 300 hours of carbon-arc or xenon-arc exposure.

RoHS
Compliant



Regency's single conductor PE Sprinkler Systems Wire is manufactured for the purpose of direct burial power wire applications in accordance with the National Electric Code.