



Smart Irrigation  
From the Ground Up

(800) 272-7472  
www.tucor.com

**TUCOR CONTROL CABLE** is a tough, reliable wire designed to operate valve decoders and sensor decoders. It consists of bare copper conductors insulated with PVC and a high-density polyethylene, direct burial jacket. Operating 2 valves simultaneously, the cable can extend to 17,100 feet on 16 gauge and 27,300 on 14 gauge.<sup>†</sup> Additional gauges are available on

special order. In most applications, 16 gauge is the wire of choice, as it is easier to handle than 14 gauge yet is still durable. Wires are color-coded red and black for troubleshooting ease. Jackets are available in multiple colors for easy wire identification and tracing.

Use only the best wire: install Tucor!

# SPECIFICATIONS

## FLOWMASTER WORKING RANGE: <sup>†</sup>

The length of the cable that will permit reliable operation of the valves depends upon the size of the wires and the number of valves that need to be operated simultaneously. If the line is supplied with power from one end only (not looped), the ranges can be read off the table below. The table is based on standard valves (24 VAC, 2 W, 28 Ω), using default Tucor switch code settings. Looping the wire greatly extends the range.

| # OF<br>SIMULT.<br>OPEN<br>VALVES | WIRE<br>#22*<br>(FEET) | WIRE<br>#18<br>(FEET) | WIRE<br>#16<br>(FEET) | WIRE<br>#14<br>(FEET) | WIRE<br>#12*<br>(FEET) |
|-----------------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 1                                 | 2,100                  | 13,700                | 21,200                | 33,700                | 53,600                 |
| 2                                 | 1,750                  | 11,200                | 17,100                | 27,300                | 43,400                 |
| 3                                 | 1,470                  | 9,400                 | 14,400                | 22,900                | 36,400                 |
| 4                                 | 1,270                  | 8,100                 | 12,400                | 19,800                | 31,500                 |
| 6                                 | 1,000                  | 6,400                 | 9,800                 | 15,600                | 24,800                 |
| 8                                 | 810                    | 5,200                 | 8,100                 | 12,900                | 20,500                 |
| 10                                | 700                    | 4,500                 | 6,800                 | 10,900                | 17,300                 |

## SPECIFICATIONS:

Insulation: Polyvinylchloride  
Jacket: Polyethylene  
Wire: copper, tin coated  
Sizes: 12-18 AWG

## ORDERING CONFIGURATIONS:

Colors: Red, Green, Yellow, Orange, Blue <sup>‡</sup>  
Spool lengths (feet): 500, 1000, 2500 <sup>‡</sup>



Tucor control cable

\* 12 gauge is available as a special order; 22 gauge shown for demonstration.

<sup>†</sup> Tucor Flowmaster line only, using default valve power. Using a different valve power, changing the specified wiring type, length, valve distribution or connectors may result in less capability of active stations.

<sup>‡</sup> Certain colors and spool sizes are special order: contact Tucor for specifics.