

Wire Distance (Controller to Valve)

The chart below indicates the maximum wire runs that can be used when installing Hunter AC solenoid valves with controllers. The example in the chart below demonstrates the most commonly used wire size for station control and ground wire (e.g., 12 AWG = 3390 feet).

NOTE: Valve Wire Sizing (Maximum One-Way Distance in Feet Between Controller and Valve)

Ground Wire (size)	Control Wire (FT)					
	18 AWG / 1.0 mm	16 AWG / 1.2 mm	14 AWG / 1.6 mm	12 AWG / 2.0 mm	10 AWG / 2.5 mm	8 AWG / 3 mm
18 AWG / 1.0 mm	850	1040	1210	1350	1460	1540
16 AWG / 1.2 mm	1040	1340	1650	1920	2150	2330
14 AWG / 1.6 mm	1210	1650	2150	2630	3080	3450
12 AWG / 2.0 mm	1350	1920	2630	3390	4170	4880
10 AWG / 2.5 mm	1460	2150	3080	4170	5400	6670
8 AWG / 3 mm	1540	2330	3450	4880	6670	8700