

Cable Size Tables

TABLE 1 - ALLOWABLE DISTANCES FOR VARIOUS WIRE SIZES* - CONVENTIONAL CONTROLLER

Ground Wire (mm ²)	Control Wire (mm ²)					
	0.5	1.0	1.5	2.5	4.0	6.0
0.5	157	209	235	261	279	289
1.0	209	314	377	449	503	538
1.5	235	377	470	588	684	754
2.5	261	449	588	783	965	1,103
4.0	279	503	684	965	1,257	1,502
6.0	289	538	751	1,103	1,502	1,864

Note: Maximum one-way distance in metres between controller and solenoid assuming 370 mA inrush current, AVL = 4 volts, 1 valve on at a time

Table 1 is for a single active solenoid. With two solenoids operating simultaneously on the same wires, the wire distances should be halved.

TABLE 2 - ALLOWABLE DISTANCES FOR VARIOUS WIRE SIZES - EZ DECODER CONTROLLER

International Wire Gauge (mm ²)	Distance, single solenoid (m)	Distance, 2 solenoids per output
0.5	167	83
1.0	333	167
1.5	500	250
2.5	833	417
4.0	1,333	667

Note: Distances in the Wiring Table are calculated based on 50 Hz with a wire temperature of 50°C and a 10% safety factor.

ID Decoder Irrigation Cable

2 Core Direct Burial

Code	Description	Qty/Box	List Price
HC-ID1BLU100	ID1 Decoder Irrigation Cable Twisted 2 Core 14 AWG (2.1mm ²) 100m	1	\$505.25
HC-ID1BLU	ID1 Decoder Irrigation Cable Twisted 2 Core 14 AWG (2.1mm ²) 500m	1	\$2,369.30
HC-ID2BLU	ID2 Decoder Irrigation Cable Twisted 2 Core 12 AWG (3.3mm ²) 500m	1	\$3,136.85

ID WIRE MAXIMUM WIRE RUNS - ACC2 & PILOT CONTROLLER

ID 1 Wire	ID 2 Wire
1,500 m with legacy DUAL™ systems	2,300 m with legacy DUAL™ systems
3 km with ICD systems	4.5 km with ICD systems

Hydrawise Flow Meter Shielded Communication Cable

2 Core Direct Burial

Code	Description	Qty/Box	List Price
HC-FMC0210100	Hydrawise Flow Meter Communications Cable Shielded Twisted 2 Core Plus Drain 1.0m ² 100m	1	\$468.26
HC-FMC0210300	Hydrawise Flow Meter Communications Cable Shielded Twisted 2 Core Plus Drain 1.0m ² 300m	1	\$1,404.77

Note: Meter must be hardwired to the controller via shielded cable, minimum 0.75mm² wire, up to 300m from the controller.