

In Field Wiring Guide for Aquamonix / Tonick Two Wire

Recommendations for Cable Layout

The Two-Wire Control System is designed to work best with Aquamonix Two-Wire Cable and can operate with any similar approved cable.

The layout guide below is based on a single Two-Wire Decoder Translator, and multiple Decoder Translators can be driven by each Two-Wire Controller.

A separate Two-Wire Cable path is required for each Two-Wire Decoder Translator in operation.

- Supply Voltage: 28 VAC, 50Hz
- Actuator: Aquamonix Solenoid Actuator or similar approved
- Line Pressure: Max 10 Bar
- Cable: Aquamonix Two-Wire cable or similar approved
- Cable Connector: Snaploc or similar approved
- Decoder: Two-Wire Single Decoder

Cable Size	Maximum operating distance (metres)					
	Active Actuators per Two-Wire Decoder Translator					
	1	2	3	4	5	6
2.5mm2 Solid Core	2600	1600	1200	900	700	600
2.5mm2 Multi Core	2600	1600	1200	900	700	600
4.0mm2 Multi Core	4400	2700	2000	1500	1200	900
6.0mm2 Multi Core	6600	4100	3000	2300	1900	1600
Max Ambient 65°C				Max Ambient 50°C		

Information is based on a maximum of 50 x Single Switching or Input Decoders per Two-Wire Decoder Translator.

