

ESP-2WIRE Wire Distance Chart

METRIC



NO MV/PUMP START RELAY		TWO SOLENOIDS SIMULTANEOUSLY (MV+STATION OR TWO STATIONS)			PUMP START RELAY (PSR) ON MV		
Wire Gauge	Max. wire length from controller for single solenoid operation (m)	Wire Gauge	Dist. of MV from controller (m)	Max. wire length from controller for second solenoid (m)	Wire Gauge	Dist. of PSR from controller (m)	Max. wire length from controller for other stations (m)
18 AWG (0.75 mm ²)	305	18 AWG (0.75 mm ²)	15	268	18 AWG (0.75 mm ²)	15	262
			30	256		30	244
			61	232		61	210
			107	198		107	155
			152	162			
16 AWG (1.5 mm ²)	488	16 AWG (1.5 mm ²)	15	433	16 AWG (1.5 mm ²)	15	427
			30	421		30	411
			61	399		61	375
			107	363		107	323
			152	326		152	268
14 AWG (2.5 mm ²)	792	14 AWG (2.5 mm ²)	15	695	14 AWG (2.5 mm ²)	15	692
			30	686		30	674
			61	661		61	637
			107	625		107	585
			152	591		152	530
12 AWG (4.0 mm ²)	1280	12 AWG (4.0 mm ²)	15	1116	12 AWG (4.0 mm ²)	15	1109
			30	1103		30	1091
			61	1079		61	1055
			107	1042		107	1003
			152	1009		152	951