

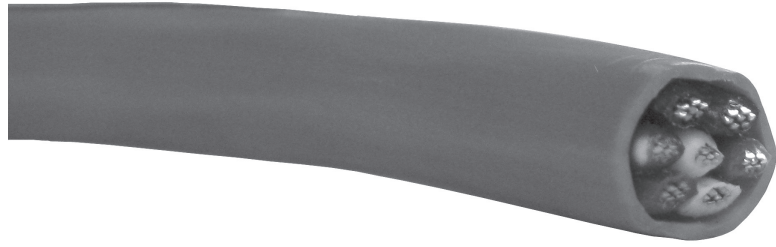
Control Valve Wiring – Multi-core

Application

For use in automatic irrigation systems to connect solenoid valves to controller. Extra low voltage systems only (as defined by AS3000). Suitable for direct burial. Not suitable for connection to Mains Power Supply

Specification

Conductor: Multi-strand plain Oxygen free copper wire
 Insulation: UV stabilised, Redpolypropylene to AS3808
 Outer Sheath: Flexible 75°C PVC to AS3808 RoHS Compliant
 Coil Lengths: 50m (0.5mm² only), 100 and 500 metres
 Sizes: 0.5, 1.0, 1.5, 2.5, 4.0, 6.0mm²



Ordering Information

MC	xx	yy	zz
	02 (2 cores)	05 (0.5mm ²)	50 (50 metres)
	03 (3 cores)	10 (1.0mm ²)	100 (100 metres)
	05 (5 cores)	15 (1.5mm ²)	500 (500 metres)
	07 (7 cores)	25 (2.5mm ²)	
	09 (9 cores)		
	13 (13 cores)		

Example of how to order: 7 core x 1.5mm² x 500 metre coil – MC0715500

Typical Properties

Nominal Area per core (mm ²)	No. of Cores.	Conductor No/ Diam (mm)	Amp rating (Amps)	Insulation Thickness (mm)	Sheath Thickness (mm)	Electrical Resistance @ 20°C ohms/1000m	Nominal OD (mm)	Weight (kg/100m)
0.5	3	7/0.30	4	0.3	0.6	38.4	4.60	3.20
	5	7/0.30	4	0.3	0.6	38.4	5.50	4.60
	7	7/0.30	4	0.3	0.6	38.4	6.10	6.00
	9	7/0.30	4	0.3	0.6	38.4	7.10	7.50
	13	7/0.30	4	0.3	0.7	38.4	8.50	10.70
1.0	2	7/0.43	10	0.4	0.6	21.2	5.50	3.90
	3	7/0.43	10	0.4	0.6	21.2	5.80	4.70
	5	7/0.43	10	0.4	0.6	21.2	7.20	7.30
	7	7/0.43	10	0.4	0.6	21.2	7.80	9.80
	9	7/0.43	10	0.4	0.7	21.2	9.20	12.30
	13	7/0.43	10	0.4	0.7	21.2	10.70	17.70
1.5	2	7/0.50	16	0.4	0.6	13.6	5.90	4.40
	3	7/0.50	16	0.4	0.6	13.6	6.20	6.40
	5	7/0.50	16	0.4	0.6	13.6	7.70	9.50
	7	7/0.50	16	0.4	0.7	13.6	8.60	12.70
	9	7/0.50	16	0.4	0.7	13.6	10.20	16.10
	13	7/0.50	16	0.4	0.7	13.6	11.60	22.80
2.5	2	7/0.67	23	0.4	0.6	7.41	7.10	6.80
	3	7/0.67	23	0.4	0.6	7.41	7.20	9.30
	5	7/0.67	23	0.4	0.7	7.41	9.20	14.70
	7	7/0.67	23	0.4	0.7	7.41	10.10	20.70
	9	7/0.67	23	0.4	0.7	7.41	12.90	26.00
	13	7/0.67	23	0.4	0.8	7.41	14.20	36.00

Core Colours

2 core	Black	Red												
3 core	Black	Red	White											
5 core	Black	Red	White	Blue	Green									
7 core	Black	Red	White	Blue	Green	Brown	Yellow							
9 core	Black	Red	White	Blue	Green	Brown	Yellow	Pink	Grey					
13 core	Black	Red	White	Blue	Green	Brown	Yellow	Pink	Grey	Violet	Beige	Lt Green	Orange	