

Traffic Cable

Part No: MCC19VTRAFFICUV

Description 19 Core Cable

1 Core 4.0mmsq Stranded PACW (earth), V-75 PVC Insulation
 + 1Core 4.0mmsq Stranded PACW (neutral), V-75 PVC Insulation
 + 1Core 2.5mmsq Stranded PACW (ELV return), V-75 PVC Insulation
 + 16 Core 1.5mmsq Stranded PACW (power) V-75 PVC Insulation,
 Polyester Tape, 4V-75 PVC Sheath.

Applicable Standards AS 2276.1, AS/NZS 3808, VicRoads TCS 023-2-2010

Suitable Applications Cable for traffic signal
 Designed for outdoor use

Images

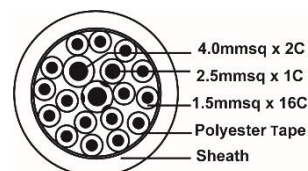


Image for illustration purposes only.



Construction

Earth 4mmsq x 1C

Conductor	Material	PACW	
	Size	12 AWG	
	Stranding	7/0.85mm	
	Area	4.0 mm ²	
	Diameter	2.55 mm	
	Insulation	Cores	1
		Material	V-75 PVC
		Colour	Yellow/Green Stripe
		Nominal Thickness (mm)	1.0
		Nominal OD (mm)	4.6

Traffic Cable

Neutral 4mmsq x 1C			
Construction	Conductor	Material	PACW
		Size	12 AWG
		Stranding	7/0.85 mm
		Area	4 mm ²
		Diameter	2.55 mm
	Insulation	Cores	1
		Material	V-75 PVC
		Colour	Black
		Nominal Thickness (mm)	1.0
		Nominal OD (mm)	4.6

ELV Return 2.5mmsq x 1C			
Construction	Conductor	Material	PACW
		Size	14 AWG
		Stranding	7/0.67 mm
		Area	2.5 mm ²
		Diameter	2.01 mm
	Insulation	Cores	1
		Material	V-75 PVC
		Colour	Grey
		Nominal Thickness (mm)	0.8
		Nominal OD (mm)	3.6

1.5mmsq x 16C			
Construction	Conductor	Material	PACW
		Size	16 AWG
		Stranding	7/0.5 mm
		Area	1.5 mm ²
		Diameter	1.5 mm
		Insulation	Cores
	Material		V-75 PVC
	Colour		Black numbers printed on White wires to aid in identification.
	Nominal Thickness (mm)		0.8
	Nominal OD (mm)		3.2

Traffic Cable

Construction	Assembly		
	Filler	Material	Al. Polyester Tape
		Coverage	100%
	Sheath	Material	4V-75 PVC (UV Stabilised)
		Colour	Orange (RAL2012) ¹
Nominal Thickness (mm)		1.8	
	Nominal OD (mm)	22.0	

Electrical Properties	4mmsq		
	Max. Conductor DC Resistance @ 20°C	4.61Ω/km	
	2.5mmsq		
	Max. Conductor DC Resistance @ 20°C	7.41Ω/km	
	1.5mmsq		
	Max. Conductor DC Resistance @ 20°C	13.6Ω/km	
	Shared Properties		
	Voltage Test: Core to Core	3kV ac/5min	
Spark Test during Manufacture	6kV a.c		
Voltage Rating	0.6/1kV		

Mechanical Properties	Operating Temperature Range	-15 to 75°C
	Max. Recommended Pulling Tension	2400N
	Min. Bend Radius	220 mm
	Approximate Mass	70.66kg/100 m
	Sheath Printing	
GARLAND MCC19VTRAFFICUV yom ELECTRIC CABLE V-75 PVC/PVC 19 CORE 0.6/1KV - mmmM		



Traffic Cable

Supply Information	Part Number	Colour	Pack Size	Pack Type	Dimensions
	MCC19VTRAFFICUV500	Orange	500m	Wooden Reel	W90 x H70 cm

- Madison reserves the right to make changes to the products described in this specification without prior notice
- All values are nominal unless otherwise stated.
- Values in completed cable may vary from nominal.
- All values subject to factory tolerances

¹Jacket colours are given as a nominal target. Madison does not guarantee the jacket colour or accept it as a cause for rejection/complaint.