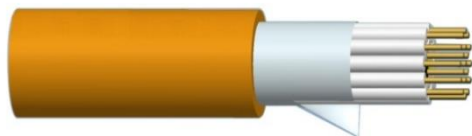


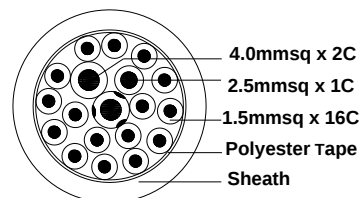
Part No: MCC19VTRAFFICUV

Description	<u>19 Core Cable</u>
	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

Cable Construction Drawing



Cable Construction Relative Parts



Cable Description

Earth 4.0mmsq x 1C

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

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Neutral 4.0mmsq x 1C

Conductor	AWG	Area(mm ²)	Stranding	Diameter(mm)	Material
	12	4.0	7/0.85	2.55	PACW
Insulation	Core : 1 Material : V-75 PVC Colour : Black Nominal Thickness (mm) : 1.0 Nominal OD (mm) : 4.6				

ELV Return 2.5mmsq x 1C

Conductor	AWG	Area(mm ²)	Stranding	Diameter(mm)	Material
	14	2.5	7/0.67	2.01	PACW
Insulation	Core : 1 Material : V-75 PVC Colour : Grey Nominal Thickness (mm) : 0.8 Nominal OD (mm) : 3.6				

1.5mmsq x 16C

Conductor	AWG	Area(mm ²)	Stranding	Diameter(mm)	Material
	16	1.5	7/0.5	1.5	PACW
Insulation	Core : 16 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				
Filler	Material: Al. Polyester Tape Coverage: 100%				
Sheath	Material : 4V-75 PVC (UV stabilized) Colour : Orange (RAL2012) ¹ Nominal Thickness (mm) : 1.8 Nominal OD (mm) : 22.0				

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

Electrical Properties

Max. Conductor DC Resistance @ 20 °C, 4mmsq	4.61Ω/km
Max. Conductor DC Resistance @ 20 °C, 2.5mmsq	7.41Ω/km
Max. Conductor DC Resistance @ 20 °C, 1.5mmsq	13.6Ω/km

Voltage Test : Core to Core	3kV ac/5min
Spark Test during Manufacture	6kV ac
Voltage Rating	0.6/1kV

Mechanical Properties

Operating Temperature Range	-15 to 75°C
Max. Recommended Pulling Tension	2415N
Min. Bend Radius (install)	220mm
Approximate Mass	70.66kg/100m
Sheath Printing	GARLAND MCC19VTRAFFICUV yom ELECTRIC CABLE V-75 PVC/PVC 19 CORE 0.6/1KV mmmM bbbb

Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
500m	Wooden Reel	W90 x H70cm	1R	

- Madison reserves the right to make changes to the products described in this specification without prior notice
- All values subject to factory tolerances

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