

# Multicore Cable

## Part No: MCC36QTRAFFICUV

**Description** 6.0mmsq Stranded PACW, 1 Core, V-75 PVC Insulation; 4.0mmsq Stranded PACW, 1 Core, V-75 PVC Insulation; 2.5mmsq Stranded PACW, 1 Core, V-75 PVC Insulation; 1.5mmsq Stranded PACW, 33 Cores, V-75 PVC Insulation, Polyester Tape, 4V-75 PVC Sheath.

**Applicable Standards** AS 2276.1 & DEPT TRANSPORT/MAIN ROADS ES101 ITS Certificate# 18-05

**Suitable Applications** The interconnect of the traffic posts and/or the associated traffic control equipment.

### Images

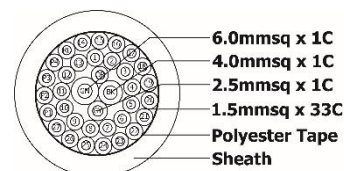


Image for illustration purposes only.



### Construction

6.0mmsq x 1C

<b>Conductor</b>	Material	PACW
	Size	10 AWG
	Stranding	84/0.3 mm
	Area	6.0 mm <sup>2</sup>
	Diameter	3.17 mm
<b>Insulation</b>	Cores	1
	Material	V-75 PVC
	Colour	Yellow/Green Stripe
	Nominal Thickness (mm)	1.0
	Nominal OD (mm)	5.3

# Multicore Cable

4mmsq x 1C			
Construction	<b>Conductor</b>	Material	PACW
		Size	12 AWG
		Stranding	56/0.3 mm
		Area	4.0 mm <sup>2</sup>
		Diameter	2.59 mm
	<b>Insulation</b>	Cores	1
		Material	V-75 PVC
		Colour	Black
		Nominal Thickness (mm)	0.8
		Nominal OD (mm)	3.8

2.5mmsq x 1C			
Construction	<b>Conductor</b>	Material	PACW
		Size	14 AWG
		Stranding	50/0.25 mm
		Area	25 mm <sup>2</sup>
		Diameter	2.04 mm
	<b>Insulation</b>	Cores	1
		Material	V-75 PVC
		Colour	Grey
		Nominal Thickness (mm)	0.8
		Nominal OD (mm)	3.8

1.5mmsq x 33C			
Construction	<b>Conductor</b>	Material	PACW
		Size	16 AWG
		Stranding	30/0.25 mm
		Area	1.5 mm <sup>2</sup>
		Diameter	1.58 mm
	<b>Insulation</b>	Cores	33
		Material	V-75 PVC
		Colour	White (printing with black numbering ("1 ONE - 27 TWENTY SEVEN"), Violet (printing with White numbering "P1 P-ONE-P4 P-FOUR"),
		Nominal Thickness (mm)	0.8
		Nominal OD (mm)	3.3
		<b>Assembly</b>	
	<b>Filler</b>	Material	Polyester Tape
		Coverage	100%
	<b>Sheath</b>	Material	4V-75 PVC (UV Resistant)
		Colour	Orange (Pantone 170)
		Nominal Thickness (mm)	1.8
		Nominal OD (mm)	27.8

# Multicore Cable

Electrical Properties	6.0mmsq x 1C	
	Max. Conductor DC Resistance @ 20°C	3.3Ω/km
	4.0mmsq x 1C	
	Max. Conductor DC Resistance @ 20°C	4.951Ω/km
	2.5mmsq x 1C	
	Max. Conductor DC Resistance @ 20°C	7.98Ω/km
	1.5mmsq x 33C	
	Max. Conductor DC Resistance @ 20°C	13.3Ω/km
	Shared Properties	
	Voltage Test: Core to Core	2.0kV ac/5min
Spark Test during Manufacture	6kV a.c	
Suggest Voltage Rating	0.6/1kV	

Mechanical Properties	Operating Temperature Range	-15 to 75°C
	Max. Recommended Pulling Tension	4340N
	Min. Bend Radius	278 mm
	Approximate Mass	121.4kg/100 m

Supply Information	Pack Type	Pack Size	Dimensions	Qty Per Carton	Cartons Per Pallet
	Wooden Reel	500 m	W115 x H70 cm	1R	1R

- 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