

TRAFFIC CABLES

TC 36 SERIES

High Performance Fixed Traffic
Signal 36 Core Cable 0.6/1kV 90°C



APPLICATIONS:

Traffic Signals Underground multicore cable for the interconnection of traffic signal posts and control equipment.

PRODUCT FEATURES:

- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Direct burial
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

Conductor Annealed plain copper stranded (Class 2).

Insulation V-90 SPVC.

Sheath PVC 5V-90.

CHARACTERISTICS:

Operating Temperature Range Fixed -5°C to 90°C.

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U_o/U 0.6/1kV.

Max AC Operating Voltage U_o 0.7kV.

Minimum Bending Radius Fixed 7.5 x cable diameter.

Sheath Colour Orange.

Relevant Standards AS/NZS 2276.1, AS/NZS 1125, AS/NZS 3808,

ROHS Compliant.



LAYUP CONSTRUCTION

Centre:	1 Core: Violet (ONE)
Second Layer:	6 cores: Violet (TWO to FOUR) + White (ONE to THREE)
Third Layer:	12 cores: White (FOUR to FIFTEEN)
Fourth Layer:	17 Cores: White (SIXTEEN to TWENTY SEVEN) + Orange + Red + Black + Green/Yellow + Grey

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm ²	Insulation Colour	Max D.C. Resistance of conductor at 20°C (ohm/kM)	Approx. Weight (Kg/Km)	Approx. Overall Diameter (mm)
TC36OR	3 x 2.5	7/0.67	Orange, Red, Black	7.41	1400	26.0
	1 x 4.0	7/0.85	Green, Yellow	4.61		
	32 x 1.5	7/0.50	Grey, Violet – No: 1 to 4 White – No: 1 to 27	13.60		

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