

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 U₀/U 0.6/1kV.

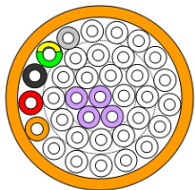
Max AC Operating Voltage U₀ 0.7kV.

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		

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.