

# Tinned Copper PVC Flex

Flexible Tinned Copper Conductor Cable

## Features and benefits

Tinned copper is utilized in environments with prolonged exposure to moisture to extend the lifespan of copper conductors.

This makes it perfect for the marine industry and demanding automotive environments, including rally, off-road 4X4, and quarry conditions.

Ideal for 12V and 24V applications.

### Make sure you are SIO 13297 compliant

According to international standard ISO 13297 - Small Craft Electrical Systems - black or yellow cable can be used to signify the negative side of the circuit in any DC electrical installation. However, installers MUST use yellow cable for the negative side of a DC system if an AC electrical system is also present in the same craft. This is a safety requirement to ensure that engineers and maintenance personnel are able to clearly distinguish between the AC and DC circuits.



## Specifications

Conductor	Flexible tinned copper conductor
Insulation	PVC EN 50363-4-1 Quality TM2 (75 shore)
Colour code	Black, Red or Yellow
Cable Marking	SIZE tinned copper
Temperature range	-30°C up to + 70°C
Test voltage	1500V
Good resistance	Petrol, lubricating oils and diluted acids

## Standard Spool Lengths

16-50mm	100 Metres
70mm	50 Metres

## Colour Codes

Black - 0
Red - 2
Yellow - 4



Nominal Cross-section (mm <sup>2</sup> )	N° and Diameter of wire (mm)	Insulation thickness (mm)	Outer diameter (mm)	Max. conductor resistance Ω/km at 20 °C	Nominal current rating (Amps)	Copper weight (kg/km)	Approx Cable weight (kg/km)
16	203x0.30	1.50	8.30±0.30	1,260	110	132.00	190.00
25	322x0.30	1.50	10.10±0.30	0,795	170	206.00	295.00
35	455x0.30	2.00	11.80±0.30	0,565	240	293.00	400.00
50	637x0.30	2.00	13.30±0.30	0,393	345	408.00	540.00
70	912x0.30	2.00	15.50±0.30	0,290	485	585.00	760.00

PVC-TCB - Flexible Tinned Copper Conductor Cable