

RoHS  
Compliant



## Specifications:

Conductor	: Plain copper, solid, class 1 (cross-section $\leq 2.5\text{mm}^2$ ) Plain copper, stranded wire, class 2 (cross-section $\geq 4\text{mm}^2$ )
Insulation	: PVC compound, CPC (circuit protective conductor) conductor insulated
Sheath	: PVC compound, flat shape
Colour	: Grey

## Functional characteristics:

Rated voltage U <sub>o</sub> /U	: 300/500 V
Operating Temperature	: -10°C to 70°C (without mechanical shocks)
Max. Short circuit temperature	: 160°C

## Standards:

Construction	: BS 6004
Flame propagation	: BS EN 60332-1-2

## Installation conditions

Min. Installation Temperature	: 5°C
Recommended min. Bending Radius	: 4 times the cable diameter for the single pole type and 6 times the cable diameter for the smaller dimension for the flat type
Recommended max. Tensile Stress	: 50 N/mm <sup>2</sup> of the cross-section of the copper

## Use and Installation Method

Suitable for dry and humid environments, both domestic and industrial. For static applications on flat surfaces, on brickwork, under plaster, in ducts or pipes. Not suitable for underground laying.

Formation n° × mm <sup>2</sup>	Approx. Conductor mm	Average Insulation Thickness mm	Average Sheath Thickness mm	Max. External mm	Max. Electrical Resistance at 20°C Ω/km	Approx. Cable weight kg/km
1 × 1 + 1	1.1/1.1	0.6	0.9	4.8 × 6.0	18.1/18.1	45
1 × 1.5 + 1	1.4/1.1	0.7	0.9	5.3 × 6.6	12.1/18.1	49
2 × 1 + 1	1.1/1.1	0.6	0.9	4.8 × 8.7	18.1/18.1	68
2 × 1.5 + 1	1.4/1.1	0.7	0.9	5.3 × 9.7	12.1/18.1	83
2 × 2.5 + 1.5	1.8/1.4	0.8	1	6.2 × 11.7	7.41/12.1	121
2 × 4 + 1.5	2.4/1.4	0.8	1	6.9 × 13.1	4.61/12.1	170

# Multicore Unscreened Cable **pro-POWER**

Formation n° × mm <sup>2</sup>	Approx. Conductor mm	Average Insulation Thickness mm	Average Sheath Thickness mm	Max. External mm	Max. Electrical Resistance at 20°C Ω/km	Approx. Cable weight kg/km
2 × 6 + 2.5	3.1/1.8	0.8	1.1	7.8 × 15.0	3.08/7.41	235
2 × 10 + 4	4/2.4	1	1.2	9.5 × 18.9	1.83/4.61	370
2 × 16 + 6	4.9/3.1	1	1.3	10.8 × 21.9	1.15/3.08	530
3 × 1 + 1	1.1/1.1	0.6	0.9	4.8 × 11.4	18.1/18.1	90
3 × 1.5 + 1	1.4/1.1	0.7	0.9	5.3 × 12.9	12.1/18.1	112
3 × 2.5 + 1.5	1.8/1.4	0.8	1	6.2 × 15.3	7.41/12.1	160

## Part Number Table

Description	Part Number
Cable Twin and Earth 1.5mm, 25m	6242Y1.5MM25M
Cable Twin and Earth 2.5mm, 25m	6242Y2.5MM25M
Cable Twin and Earth 1mm, 50m	6242Y1MM50M
Cable Twin and Earth 1.5mm, 50m	6242Y1.5MM50M
Cable Twin and Earth 2.5mm, 50m	6242Y2.5MM50M
Cable Twin and Earth 6mm, 50m	6242Y6MM50M
Cable Twin and Earth 1mm, 100m	6242Y1MM100M
Cable Twin and Earth 1.5mm, 100m	6242Y1.5MM100M
Cable Twin and Earth 2.5mm, 100m	6242Y2.5MM100M

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