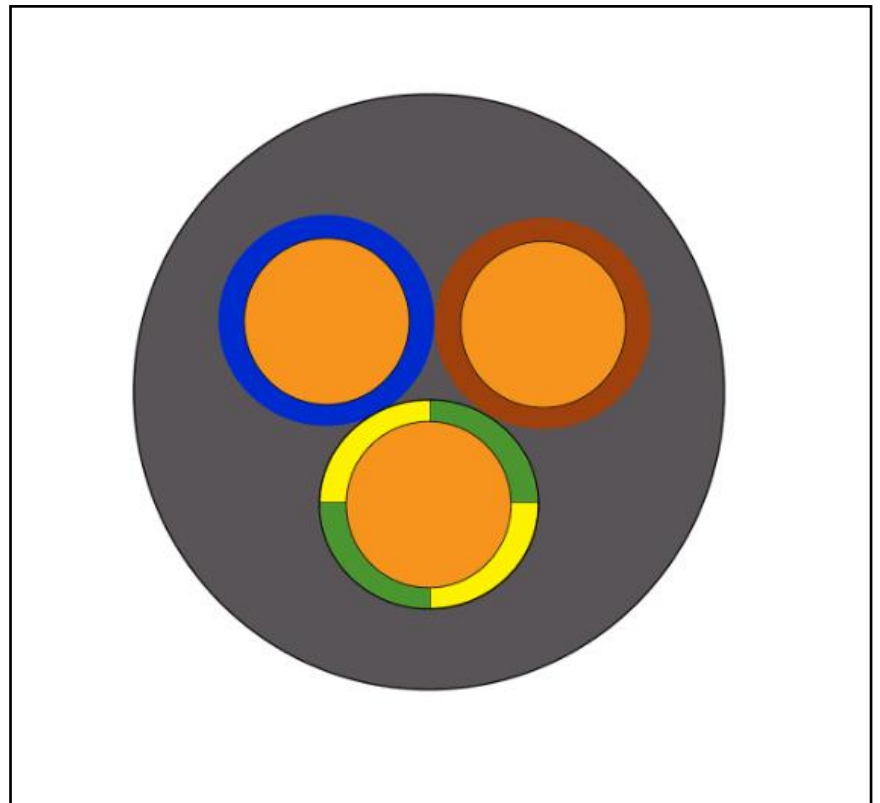


## FEATURES

- Cable be installed in dry and damp areas
- Highly flexible PVC outer jacket of cable
- Allows easy installation
- PVC sheath and insulation of cable are flame retardant to IEC 60332-1
- PVC sheath is mechanically tough and resistant to most chemicals

# RS PRO 3 Core 2.5 mm<sup>2</sup> Power Cable, Grey Polyvinyl Chloride PVC Sheath 50m, 500 V

RS Stock No.: 902-8329



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

Introducing the RS PRO NYM-J mains installation cable. This electrical cable features a PVC outer sheath and a nominal voltage rating of 300/500 V used for electrical wiring installations inside buildings. The high-quality mains power cable is suitable for use in dry, damp or wet areas and can be installed in, on or under plaster, brickwork or concrete, however, it is not recommended that this cable is laid into compacted concrete. It can also only be used in outdoor applications if the electric cable is not exposed to direct sunlight as it is not UV tolerant.

## General Specifications

<b>Type</b>	NYM-J
<b>Sheath Material</b>	Polyvinyl Chloride PVC
<b>Sheath Colour</b>	Grey
<b>Filler</b>	TM1 PVC
<b>Fire Behaviour</b>	Flame Retardant
<b>Applications</b>	Residential households, Administrative buildings, Industrial and commercial premises, Shops and farms

## Electrical Specifications

<b>Voltage Rating</b>	500 V
<b>Insulation Material</b>	PVC
<b>Conductor Resistance</b>	7.41 $\Omega$ /km
<b>Voltage Test</b>	2 Kv

## Mechanical Specifications

<b>Length</b>	50m
<b>Cross Sectional Area</b>	2.5 mm <sup>2</sup>
<b>Outer Diameter</b>	12mm
<b>Number of Cores</b>	3
<b>Size of Strands</b>	1.75mm
<b>Conductor Strand Type</b>	Solid

## Operation Environment Specifications

<b>Operating Temperature Range</b>	-5°C to +70°C
<b>Minimum Operating Temperature</b>	-5°C
<b>Maximum Operating Temperature</b>	+70°C

## Approvals

<b>Compliance/Certifications</b>	2011/65/EU and 2015/863
<b>Standards Met</b>	HD 21.4 S2, IEC 60228 Class1, IEC 60332-1



No. of Cores	Cables without protective conductor	Cables with protective conductor
2	Brown, Blue	-
3	Brown, Blue, Grey	Green/Yellow, Blue, Brown
4	Blue, Brown, Black, Grey	Green/Yellow, Brown, Black, Grey
5	Blue, Brown, Black, Grey, Black	Green/Yellow, Blue, Brown, Black, Grey
Above 5	Black with number code	Green/Yellow, other black with number code

### Diameters

No. of Cores and Mm <sup>2</sup> per conductor	Number of Wires/Diameter of each wire (mm)	Insulation thickness		Outer diameter in mm	Max. resistance at 20°C (Ω/km)
		Nominal mm	Sheath thickness Nominal mm		
3x1,5	1,365	0,70	1,20	8,80-10,50	12,10
3x2,5	1,75	0,80	1,20	10,0-12,0	7,41
3x4	2,19	0,80	1,20	11,0-13,0	4,61
4x1,5	1,365	0,70	1,20	9,60-11,6	12,10
4x2,5	1,75	0,80	1,20	11,0-13,0	7,41
4x4	2,19	0,80	1,40	12,0-14,50	4,61
5x1,5	1,365	0,70	1,20	10,0-12,0	12,10
5x2,5	1,75	0,80	1,20	11,50-14,0	7,41
5x4	2,19	0,8	1,40	13,50-16,0	4,61
5xx6	2,69	0,8	1,40	15,0-17,5	3,08
6x1,5	1,365	0,7	1,20	11,0-13,0	12,10
6x2,5	1,75	0,8	1,20	12,5-14,5	7,41