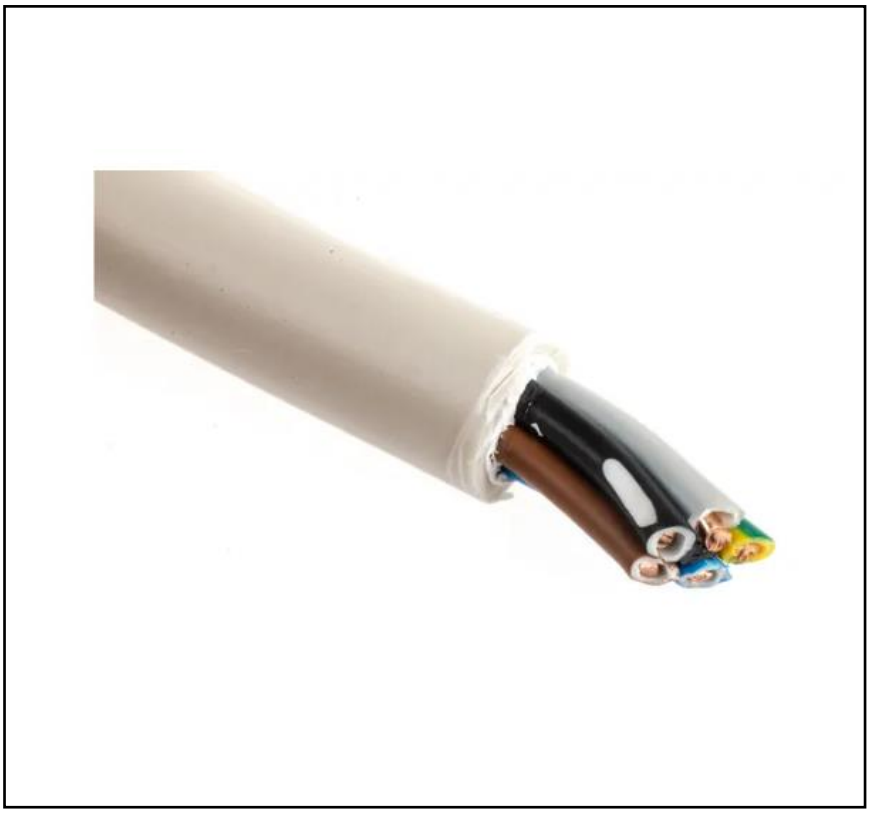
FEATURES

- 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 5 Core 2.5 mm² Power Cable, Grey Polyvinyl Chloride PVC Sheath 50m, 500 V

RS Stock No.: 902-8353



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

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

Electrical Specifications

Voltage Rating	500 V
Insulation Material	PVC
Conductor Material	Copper
Conductor Resistance	7.41 Ω/km
Voltage Test	2 Kv

Mechanical Specifications

Length	50m
Cross Sectional Area	2.5 mm²
Outer Diameter	14mm
Number of Cores	5
Size of Strands	1.75mm
Conductor Strand Type	Solid

Operation Environment Specifications

Operating Temperature Range	-5°C to 70°C
Minimum Operating Temperature	-5°C
Maximum Operating Temperature	+70°C

Approvals

Compliance/Certifications	2011/65/EU and 2015/863
Standards Met	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 Mm² per conductor	Number of Wires/Diameter of each wire (mm)	Insulation thickness	Sheath thickness	Outer diameter in mm	Max. resistance at 20°C (Ω/km)
		Nominal mm	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