

# NYM-J Unscreened Multicore PVC Power and Control Cable

pro-POWER

RoHS  
Compliant



## Application:

Power and control cable for fixed installation in, on or under plaster, in dry and damp conditions. Suitable for outdoor use if protected from direct sunlight.

## Construction:

### Conductor:

Class 1 solid copper conductor according to BS EN 60228

### Insulation:

PVC (Polyvinyl Chloride)

### Filler:

PVC (Polyvinyl Chloride)

### Sheath:

PVC (Polyvinyl Chloride)

## Cable Standards

Made in accordance with the following:  
VDE 0205 Part 204, IEC 60332-1-2

## Characteristics:

### Voltage Rating (Uo/U):

300/500V

### Temperature Rating:

Fixed: -40°C to +70°C

Flexed: +5°C to +70°C

### Min. Bending Radius:

Fixed : 4 × overall diameter

### Core Identification

Up to and including 5 core: colour coded

### Sheath Colour

Grey

## Dimensions:

Part Number	No. of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight kg/km
PP001154	3	1.5	9	111
PP001157		2.5	10	158
PP001155	4	1.5	9	133
PP001158		2.5	11	191
PP001156	5	1.5	10	155
PP001159		2.5	12	225

# NYM-J Unscreened Multicore PVC Power and Control Cable



## Conductors

Class 1 Solid Conductors for Multi-Core Cables

Nominal Cross Sectional Area mm <sup>2</sup>	Max. Resistance of Conductor at 20°C Circular, Annealed Copper Conductor Plain Wires Ω/km
1.5	12.1
2.5	7.41

## Electrical Characteristics:

Current Carrying Capacity

Nominal Cross Sectional Area mm <sup>2</sup>	Reference Method A (Enclosed In Conduit In Thermally Insulating Wall Etc)		Reference Method B (Enclosed In Conduit On A Wall or in a Trunking Etc)		Reference Method C (Clipped Direct)		Reference Method E (In Free Air Or On A Perforated Cable Tray Etc, Horizontal Or Vertical)	
	1 Two-Core Cable Single-Phase AC or DC A	1 Three-Core Cable or 1 Four-Core Cable Three Phase AC A	1 Two-Core Cable Single-Phase AC or DC A	1 Three-Core Cable or 1 Four-Core Cable Three Phase AC A	1 Two-Core Cable Single-Phase AC or DC A	1 Three-Core Cable or 1 Four-Core Cable Three Phase AC A	1 Two-Core Cable Single-Phase AC or DC A	1 Three-Core Cable or 1 Four-Core Cable Three Phase AC A
1.5	14	13	16.5	15	19.5	17.5	22	18.5
2.5	18.5	17.5	23	20	27	24	30	25

## Part Number Table

Description	No. of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Reel Length	Part Number
NYM-J Unscreened Multicore PVC Power and Control Cable	3	1.5	50m	PP001154
		2.5		PP001157
	4	1.5		PP001155
		2.5		PP001158
	5	1.5		PP001156
		2.5		PP001159

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2012.