

# Multicores Solid Copper Conductor PVC Insulated and PVC Sheathed (NYM) 600-1000 V

## Application:

Used for industrial and wiring purposes. Useable in the open environments in outdoor and indoor applications, as well as supplying power to electrical units and equipment in different projects.

## Applicable Standards:

Stranded cables are designed and tested to meet or exceed the requirements of IEC 60502-1 standard. However, can also supply a range of alternative designs to meet customer-specified requirements.

## Specification

### Conductor

Solid annealed copper conductor class 1 according to BS EN 60228 and IEC 60228.

### Insulation:

Solid extruded PVC insulation with rating 70 °C at normal operation according to IEC 60502-1 type PVC/A.

### Assembly:

The insulated cores are uniformly twisted together to form the cable core.

### Core colors:

Standard core color will be as follow:

Two cores: Red and Black

Three cores: Red, Yellow and Blue

Four cores: Red, Yellow, Blue and Black

### Filling:

Optional Solid extruded filling PVC if customer needed and depend on assembly process.

### Sheath:

Solid extruded PVC with temperature rating 80 °C at normal operation applied over the laid up assembled cores according to IEC 60502-1 type ST1.

### Flame retardancy:

Solid cables 600/1000 V have been tested and approved with the flame performance standards IEC 60332-1-2.

### Packing:

Available in standard length of 500 or 1000 meters on wooden drum (Other lengths are available upon request).

### Marking:

Solid cables 3\*2.5 mm<sup>2</sup> CU/PVC/PVC 600/1000 V IEC60502-1



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## Technical Data:

Number of cores	size	No. x diameter	(ohm/km at 20 °c)	Insulation Thickness	PVC Jacket Thickness	Nominal Outer Diameter	Approx. Net Weight	Current Rating			Ordering Information
No.	(MM2)	No. x MM	(ohm/km at 20C °c)	(MM)	(MM)	(MM)	(Kg/km)	Laid Direct in ground (A)	Laid in Duct (A)	Laid in Free Air (A)	Item Code
2	1.5	1x1.38	12.1	0.8	1.8	10.76	166	33	27	27	PVV1000SO- 2*1.5
3					1.8	11.24	190	29	25	22	PVV1000SO- 3*1.5
4					1.8	12.01	223	29	25	22	PVV1000SO- 4*1.5
2	2.5	1x1.78	7.41	0.8	1.8	11.56	204	41	35	35	PVV1000SO- 2*2.5
3					1.8	12.1	237	37	32	28	PVV1000SO- 3*2.5
4					1.8	12.98	283	37	32	28	PVV1000SO- 4*2.5
2	4	1x2.25	4.61	1	1.8	13.3	285	55	45	49	PVV1000SO- 2*4
3					1.8	13.98	333	49	42	39	PVV1000SO- 3*4
4					1.8	15.09	402	49	42	39	PVV1000SO- 4*4
2	6	1x2.76	3.08	1	1.8	14.32	347	68	56	63	PVV1000SO- 2*6
3					1.8	15.08	418	61	50	49	PVV1000SO- 3*6
4					1.8	16.72	529	65	50	49	PVV1000SO- 4*6