

**Application:**

Suitable for domestic and light industrial wiring and can be installed on tray, free air or clipped direct. It should be installed into areas where there is low risk of mechanical damage. Also used for transferring electrical signals among different control units and also used in alarm systems.

**Applicable Standards:**

Solid cables are designed and tested to meet or exceed the requirements of IEC 60227-4 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 IEC 60228.

**Insulation:**

Solid extruded PVC insulation with rating 70 °C at normal operation according to IEC 60227-1 type PVC/C.

**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:**

Solid extruded filling PVC.

**Sheath:**

Solid extruded PVC with temperature rating 70 °C at normal operation applied over the laid up assembled cores according to IEC 60227-1 type ST4.

**Flame retardancy:**

Solid cables 300/500 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\*1.5 mm<sup>2</sup> CU/PVC/PVC 300/500 V IEC60227



# Multicores Solid Copper Conductor PVC Insulated and PVC Sheathed (NYM) 300-500 V

## Technical Data:

Number of cores	size	No.x diameter	(ohm/km at 20 °c)	Insulation Thickness	Inner Jacket Thickness	PVC Jacket Thickness	Nominal Outer Diameter	Approx. Net Weight	Current Rating			Ordering Information
No.	(MM2)	No. xMM	(ohm/km at 20C °c)	(MM)	(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	0.7	0.4	1.2	8.76	113	31	25	25	PVV500SO- 2*1.5
3					0.4	1.2	9.2	134	27	23	20	PVV500SO- 3*1.5
4					0.4	1.2	9.93	162	27	23	20	PVV500SO- 4*1.5
2	2.5	1x1.78	7.41	0.8	0.4	1.2	9.96	154	39	33	33	PVV500SO- 2*2.5
3					0.4	1.2	10.5	186	35	30	26	PVV500SO- 3*2.5
4					0.4	1.2	11.38	228	35	30	26	PVV500SO- 4*2.5
2	4	1x2.25	4.61	0.8	0.4	1.2	10.9	200	52	42	46	PVV500SO- 2*4
3					0.4	1.2	11.52	246	46	39	36	PVV500SO- 3*4
4					0.4	1.4	12.92	317	46	39	36	PVV500SO- 4*4
2	6	1x2.76	3.08	0.8	0.4	1.2	11.92	258	65	53	60	PVV500SO- 2*6
3					0.4	1.4	13.02	336	58	47	46	PVV500SO- 3*6
4					0.6	1.4	14.55	431	58	47	46	PVV500SO- 4*6