

Multicores Stranded Copper Conductor PVC Insulated and PVC Sheathed 300-500 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 60227-4 standard. However, can also supply a range of alternative designs to meet customer-specified requirements.

Specification:

Conductor

Stranded annealed copper conductor class 2 according to BS EN 60228 and 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

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:

Stranded cables 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:

Stranded cables 3*2.5 mm² CU/PVC/PVC 300/500 V IEC60227



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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 Carry Capacity at 30C ambient temperature		Ordering Information
No.	(MM2)	No. x MM	(ohm/km at 20C °c)	(MM)	(MM)	(MM)	(MM)	(Kg/km)	Ampere Single Phase(AC)	Ampere Three Phase(AC)	Item Code
2	1.5	7x0.52	12.1	0.8	0.4	1.2	9.12	120	17	17	PVV500ST- 2*1.5
3					0.4	1.2	9.59	142	17	17	PVV500ST- 3*1.5
4					0.4	1.2	10.36	171	17	17	PVV500ST- 4*1.5
2	2.5	7x0.67	7.41	0.8	0.4	1.2	10.42	165	24	20	PVV500ST- 2*2.5
3					0.4	1.2	11	198	24	20	PVV500ST- 3*2.5
4					0.4	1.2	11.94	242	24	20	PVV500ST- 4*2.5
2	4	7x0.85	4.61	1	0.4	1.2	11.5	215	31	24	PVV500ST- 2*4
3					0.4	1.2	12.16	264	31	24	PVV500ST- 3*4
4					0.4	1.4	13.64	339	31	24	PVV500ST- 4*4
2	6	7x1.04	3.08	1	0.4	1.2	12.64	277	40	31	PVV500ST- 2*6
3					0.4	1.4	13.8	359	40	31	PVV500ST- 3*6
4					0.6	1.4	15.42	460	40	31	PVV500ST- 4*6