Application:

Used for indoor fixed installation in dry location for lighting fittings inside electrical panels and connections for apparatuses, switch gears and control gears. It can be used in everything from automation and process control, building and construction to marine and defense, and transmission, distribution and power networks.

Applicable Standards:

Wire 600/1000V are designed and tested according to BS6231, can also supply a range of alternative designs to meet customer-specified requirements.

Specification:

Conductor

Flexible annealed copper conductor class 5 according to BS EN 60228 and IEC 60228. (We can produce Flexible tinned copper conductor class 5 to BS EN 60228 and IEC 60228 upon customer request but resistance will be increased accordingly.)

Insulation Type:

BK: Solid extruded PVC insulation Type TI1 with temperature rating 70 °C at normal operation as per BS EN 50363-3.

CK: Solid extruded PVC insulation Type TI3 with temperature rating 90 °C at normal operation as per BS EN 50363-3.

CK: Solid extruded PVC with temperature rating 105 °C at normal operation available on request.

Colors:

Standard colors are available in black, white, red, blue, green, yellow, yellow/green, pink, violet, orange, brown and gray.

Flame retardancy:

Flexible wires 600/1000V have been tested and approved with the flame performance standards according to IEC 60332-1-2 and BS EN 60332-1.

Packing:

Available in standard length of 100 yards on coil (Other lengths available on request)

Marking:

1 mm2 CU/PVC- Type CK 600/1000V BS6231

Technical Data:

BK

Size	Max. Wire Diam.	Max. DC conductor Resistance.	Insulation Thickness	Nominal Outer Diameter	Approx.Net Weight	Current Carry Capacity at 30C ambient temperature		Ordering Information
(MM2)	(MM)	(ohm/km at 20C °c)	(MM)	(MM)	(Kg/km)	Ampere (Air)	Ampere (Conduit)	Item Code
0.5	0.21	39	0.8	2.59	11.4	4	3.5	PVV1000FL-0.5-70C
0.75	0.21	26	0.8	2.79	14.5	7	6.5	PVV1000FL-0.75-70C
1	0.21	19.5	0.8	2.91	17.5	11	10	PVV1000FL-01.0-70C
1.5	0.26	13.3	0.8	3.15	22.8	18	16	PVV1000FL-01.5-70C
2.5	0.26	7.98	0.8	3.6	33	24	19	PVV1000FL-02.5-70C
4	0.31	4.95	0.8	4.15	49	31	24	PVV1000FL-04.0-70C
6	0.31	3.3	0.8	4.7	70	40	31	PVV1000FL-06.0-70C
10	0.41	1.91	1	6.12	116	57	43	PVV1000FL-10.0-70C
16	0.41	1.21	1	7.2	172	75	55	PVV1000FL-16.0-70C
25	0.41	0.78	1.2	8.7	268	102	81	PVV1000FL-25.0-70C
35	0.41	0.554	1.2	9.7	365	126	101	PVV1000FL-35.0-70C
50	0.41	0.386	1.4	11.6	526	152	122	PVV1000FL-50.0-70C
70	0.41	0.272	1.4	13.5	710	193	155	PVV1000FL-70.0-70C

CK

Size	Max. Wire Diam.	Max. DC conductor Resistance.	Insulation Thickness	Nominal Outer Diameter	Approx.Net Weight	Current Carry Capacity at 30C ambient temperature		Ordering Information
(MM2)	(MM)	(ohm/km at 20C °c)	(MM)	(MM)	(Kg/km)	Ampere (Air)	Ampere (Conduit)	Item Code
0.5	0.21	39	0.6	2.59	11	11	8	PVV1000FL-0.5-90C
0.75	0.21	26	0.6	2.79	14.1	14	11	PVV1000FL-0.75-90C
1	0.21	19.5	0.6	2.91	17	18	15	PVV1000FL-01.0-90C
1.5	0.26	13.3	0.7	3.15	21.5	25	21	PVV1000FL-01.5-90C
2.5	0.26	7.98	0.8	3.6	32.1	32	28	PVV1000FL-02.5-90C
4	0.31	4.95	0.8	4.15	48	42	37	PVV1000FL-04.0-90C
6	0.31	3.3	0.8	4.7	69	54	48	PVV1000FL-06.0-90C
10	0.41	1.91	1	6.12	114.5	73	66	PVV1000FL-10.0-90C
16	0.41	1.21	1	7.2	170	98	88	PVV1000FL-16.0-90C
25	0.41	0.78	1.2	8.7	266	129	117	PVV1000FL-25.0-90C
35	0.41	0.554	1.2	9.7	362.3	158	144	PVV1000FL-35.0-90C
50	0.41	0.386	1.4	11.6	522.3	198	175	PVV1000FL-50.0-90C
70	0.41	0.272	1.4	13.5	707.1	245	222	PVV1000FL-70.0-90C