

PVC GENERAL PURPOSE WIRE 1kV

HOUSE WIRE
600/1000V

Cable Description

High conductivity annealed stranded copper conductors to SANS 1411 Part 1. Insulated with PVC and skin coloured in plain colours to SANS 1411 Part 2. Cable is manufactured to SANS 1507 Part 2.



Installation Information

For the wiring of industrial buildings, housing, control panels and light fittings.

Properties

	Specifications	: SANS 1507-2		Core Identification	: Complete range of colours
	Temperature Range	: -10°C to 70°C		Packaging	: 100mt shrink-wrapped perforated coils/500mt reels
	Voltage Rating	: 600/1000V			

Technical Data

Cable Size (mm²)	Nominal Stranding Number x Diameter	Approximate Cable Diameter (mm)	Current Rating *	Conductor Resistance @ 20°C Maximum (Ω/km)	1Φ Voltage Drop (mV/A/mt)	Approximate Cable Mass (kg/100mt)
600/1000 V						
1	7/0,42	3,0	17	18,1	43	1,7
1,5	7/0,53	3,3	21	12,1	29	2,2
2,5	7/0,66**	3,6	27	7,41	18	3,2
4	7/0,86**	4,5	36	4,61	11	5,2
6	7/1,04**	5,0	45	3,08	7,4	7,0
10	7/1,35**	6,0	61	1,83	4,4	11,1
16	7/1,67**	6,9	78	1,15	2,8	16,7
25	19/1,38**	8,4	104	0,73	1,7	25,6
35	19/1,62**	9,5	125	0,52	1,3	34,7
50	19/1,88**	11,3	149	0,39	0,93	47,2
70	19/2,28**	12,6	190	0,27	0,65	66,1
95	19/2,50	15,8	238	0,19	0,48	97,6
120	37/2,03	17,5	272	0,15	0,38	120,0
150	37/2,28	19,7	308	0,12	0,32	147,0
185	37/2,50	22,0	350	0,10	0,26	182,2

Product Code

Cable Size (mm²)	Black	Blue	Brown	Green/ Yellow	Grey	Orange	Pink	Violet	Red	White	Yellow
1	F0000232	F0000233	F0000234	F0000235	F0000236	F0000237	F0000238	F0000239	F0000240	F0000241	F0000242
1,5	F0000245	F0000246	F0000247	F0000249	F0000250	F0000252	F0000253	F0000254	F0000256	F0000258	F0000259
2,5	F0000262	F0000263	F0000264	F0000266	F0000267	F0000268	F0000269	F0000270	F0000272	F0000274	F0000275
4	F0000278	F0000279	F0000280	F0000282	F0001305	F0000283	F0000284	F0000285	F0000287	F0000289	F0000290
6	F0000293	F0000294	-	F0000296	-	-	-	-	F0000298	F0000300	-
10	F0000303	F0000304	-	F0000306	-	-	-	-	F0000308	F0000310	-
16	F0000313	F0000314	-	F0000316	-	-	-	-	F0000318	F0000320	F0000321
25	F0000323	F0000324	-	F0000326	-	-	-	-	F0000327	F0000328	-
35	F0000330	F0000331	-	F0000333	-	-	-	-	F0000335	F0000337	-
50	F0000340	F0000341	-	F0000343	-	-	-	-	F0000344	F0000346	-
70	F0000349	F0002343	-	F0000352	-	-	-	-	F0000354	F0000355	-
95	F0000356	F0001315	-	F0000358	-	-	-	-	F0002346	F0001316	-
120	F0000360	-	-	F0000361	-	-	-	-	F0001317	-	-
150	F0001320	-	-	F0002351	-	-	-	-	F0000363	-	-
185	F0000364	-	-	F0000365	-	-	-	-	-	-	-

***Note**

- Rating calculated for 1kV cable.
- Rating based on two touching cables installed in a duct.
- Assumed ambient air temperature is 30°C.
- Assumed maximum conductor temperature is 70°C.

****Note**

- Compacted Conductors.

Note

- Items above with (-) in the Product Code column are available on special request.