



PVI® PANEL FLEX

SINGLE CORE FLEXIBLE WIRING CABLE

ABERDARE
CABLES
Driven by Powertech



CABLE DESCRIPTION

High conductivity bunched plain flexible copper conductors to SANS 1411 Part 1. Insulated with general purpose flexible grade PVC in all colours to SANS 1411 Part 2.

INSTALLATION INFORMATION

For the wiring of all types of:

- Control panels
- Light fittings
- Communication panels
- Appliances

PROPERTIES

Specification : SANS 1574
 Temperature Range : -10°C to 70°C
 Voltage Rating : 300 / 500 V and 600 / 1000V
 Core Identification : Blue, Black, Brown, Yellow/Green, Orange, Pink, Violet, Grey, White, Red
 Packaging : 100m shrink-wrapped coils
 500m lengths available on request
 5000m lengths down coiled in cardboard boxes available on request

TECHNICAL DATA

Cable Size	Nominal Stranding No. x diameter	Approx. Overall Diameter	Current Rating *	Conductor Resistance @ 20°C Maximum	1 ϕ Volt Drop	Approx. Cable Mass per 100m Coil
(mm ²)		(mm)	(A)	(Ω /km)	(mV/A/m)	(kg)
100V						
0,2	7/0,2	1,2	1	92	248	0,4
300 / 500V						
0,2	7/0,2	1,6	1	92	248	0,5
0,4	11/0,25	1,9	2	49	133	0,7
600 / 1000V						
0,5	15/0,2	2,6	3	39	93	1,1
0,75	23/0,2	2,8	6	26	62	1,3
1	30/0,2	3,1	10	19,5	44	1,6
1,5	44/0,2	3,2	16	13,3	29	2,2
2,5	72/0,2	3,7	25	7,98	18	3,1
4	112/0,2	4,7	32	4,96	11	4,9
6	175/0,2	5,5	38	3,30	7,3	7,3
10	294/0,2	6,4	59	1,91	4,4	11,1
16	462/0,2	7,5	77	1,21	2,8	16,7
25	721/0,21	9,4	95	0,780	1,9	27,1
35	1026/0,21	10,0	116	0,554	1,3	35,8

* **Note:** - Assumed ambient air temperature 30°C.
 - Assumed maximum conductor temperature 70°C.
 - Rating for 2 wires only