

PANEL FLEX CABLE

SINGLE CORE FLEXIBLE WIRING
300/500V AND 600/1000V

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
- Communication panels
- Light fittings
- Appliances

Properties

	Specifications	: SANS 1574-3		Core Identification	: Blue, black, brown, yellow/green, orange, pink, violet, grey, white and red
	Temperature Range	: -10°C to 70°C		Packaging	: 100mt shrink-wrapped coils : 500mt lengths available on request : 2500mt, 4000mt and 7000mt lengths down coiled into cardboard barrels available on request (depending on size)
	Voltage Rating	: 300/500V and 600/1000V			

Technical Data

Cable Size	Nominal Stranding Number x Diameter	Approximate Cable Diameter	Current Rating*	Conductor Resistance @ 20°C Maximum	1Φ Voltage Drop	Approximate Cable Mass
(mm²)		(mm)	(A)	(Ω/km)	(mV/A/m)	(kg/100mt)
600/1000V						
0,5	15/0,2	2,6	11	39	93,3	1,1
0,75	23/0,2	2,8	14	26	62,2	1,3
1	30/0,2	3,0	16	19,5	46,7	1,6
1,5	44/0,2	3,3	20	13,3	31,8	2,2
2,5	72/0,2	3,7	26	7,98	19,1	3,1
4	112/0,2	4,8	35	4,95	11,8	4,9
6	175/0,2	5,3	43	3,30	7,9	7,3
10	294/0,2	9,1	58	1,91	4,6	11,1
16	462/0,2	10,0	75	1,21	2,9	16,7
25	721/0,21	12,7	100	0,780	1,9	27,1
35	1026/0,21	14,5	122	0,55	1,3	35,8

***Note**

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

Product Code

Cable Size	Black	Blue	Brown	Green/ Yellow	Grey	Orange	Pink	Violet	Red	White	Yellow
(mm²)											
0,5	F0000433	F0000434	F0000435	F0000436	F0000437	F0000440	F0000439	F0000442	F0000441	F0000443	F0000444
0,75	F0000445	F0000446	F0000447	F0000448	F0000449	F0000451	F0000450	F0000453	F0000452	F0000454	F0000455
1	F0000456	F0000457	F0000458	F0000459	F0000461	F0000463	F0000462	F0000465	F0000464	F0000466	F0000467
1,5	F0000468	F0000469	F0000470	F0000471	F0000472	F0000474	F0000473	F0000476	F0000475	F0000477	F0000478
2,5	F0000489	F0000490	F0000491	F0000492	F0000493	F0001346	F0001343	F0001345	F0000494	F0000495	F0000496
4	F0000497	F0000498	F0000499	F0000500	F0000501	F0001348	-	F0001347	F0000502	F0000503	F0003426
6	F0000504	F0000505	F0000506	F0000507	F0000508	-	-	-	F0000509	-	F0000510
10	F0000479	F0000480	-	F0000481	-	-	-	-	F0000482	F0000483	-
16	F0000484	F0000485	-	F0000486	-	-	-	-	F0000487	F0000488	-
25	F0001350	F0001351	-	F1000353	-	-	-	-	F0001349	F0001352	-

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