

CABTYRE CABLE

FLEXIBLE WIRING
300/300V AND 300/500V

Cable Description

High conductivity bunched plain flexible copper conductors to SANS 1411 Part 1.
Insulated and colour coded with general purpose flexible grade PVC to SANS 1411 Part 2.
Cores are twisted together and sheathed with a flexible grade PVC.



Installation Information

For supplying power to all types of electrical, domestic and industrial appliances and equipment such as:

- Power tools
- Kitchen appliances
- Multi plug extensions
- Electric lawnmowers
- Extension leads
- Small industrial machinery

Properties

	Specifications	: SANS 1574		Core Identification	: 2 Core - Blue and brown, 3 Core - Blue, brown and yellow/green, 4 Core - Blue, brown, black and yellow/green, 5 Core - Blue, black, brown, yellow/green and violet, 7 Core - Blue, brown, black, yellow/green, violet, pink and orange
	Temperature Range	: -10°C to 70°C			
	Voltage Rating	: Light Duty (LD) 300/300V and Normal Duty (ND) 300/500V			
	Sheath Identification	: White, black or grey		Packaging	: 100mt shrink-wrapped coils/500mt and 1000mt lengths available on request

Technical Data

Cable Size	Number of Cores	Nominal Stranding Number x Diameter	Approximate Overall Diameter	Conductor Resistance @ 20°C Maximum	Current Rating*		Voltage Drop		Approximate Cable Mass
					1Φ	3Φ	1Φ	3Φ	
(mm²)			(mm)	(Ω/km)	(A)		(mV/A/mi)		(kg/100mi)
Light Duty 300/300V									
0.5	2	15/0.2	5.2	39	3	3	93	80	3.9
	3		5.5						4.7
	4		6.0						5.5
	5		6.6						6.7
0.75	3	23/0.2	6.1	26	6	6	62	54	5.5
Normal Duty 300/500V									
0.75	2	23/0.2	6.2	26	6	6	62	54	5.2
	3		7.0						6.7
	4		7.2						7.8
	5		8.2						9.9
	7		8.7						12.6
1	2	30/0.2	6.6	19.5	10	10	46	40	6.3
	3		7.0						7.6
	4		8.0						9.8
	5		8.6						11.6
	7		9.3						14.8
1.5	2	44/0.2	7.8	13.3	16	16	32	27	8.4
	3		8.3						10.8
	4		9.3						13.5
	5		10.0						16.2
	7		10.9						20.7
2.5	2	72/0.2	9.6	7.98	25	20	19	16	13.5
	3		10.3						16.8
	4		11.9						21.8
	5		12.2						24.2
	7		13.2						31.3
4	2	112/0.2	11.0	4.96	32	25	12	10	19.0
	3		11.4						25.0
	4		13.5						32.0
	5		14.1						33.9

***Note**

- Assumed ambient air temperature is 30°C.
- Assumed maximum conductor temperature is 70°C.

CABTYRE CABLE

Product Code

Cable Size	Black					Grey					White				
(mm²)	2 Core	3 Core	4 Core	5 Core	7 Core	2 Core	3 Core	4 Core	5 Core	7 Core	2 Core	3 Core	4 Core	5 Core	7 Core
0,5	F0000083	F0000087	F0000091	F0000093		-	F0000088	-	-		F0000084	F0000089	F0000092	F0001519	
0,75	F0000095	F0000100	F0000106	F0000108	F0000110	F0003266	F0000101	-	-	-	F0000096	F0000099	F0000107	F0000109	-
1	F0000113	F0000119	F0000123	F0000126	F0000128	F0000114	F0000120	F0001521	-	-	F0000115	F0000121	F0000124	F0001522	F0001523
1,5	F0000131	F0000137	F0000143	F0000148	F0000153	-	F0000138	F0001525	F0000149	-	F0000132	F0000139	F0000144	F0000150	F0000154
2,5	F0000155	F0000161	F0000166	F0000171	F0000173	-	F0000162	F0000167	-	-	F0000156	F0000163	F0000168	F0000172	F0000174
4	F0000175	F0000176	F0000178	F0000181	F0000182	-	F0001530	F0000179	-	-	F0001529	F0000177	F0000180	-	-

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