



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:

- PowerTools
- Electric Lawnmowers
- Kitchen Appliances
- Extension Leads
- Multi Plug Extensions
- Small Industrial Machinery

Properties

Specification : SANS 1574
 Temperature Range : -10°C to 70°C
 Voltage Rating : Light Duty (LD) 300/300V and Normal Duty (ND) 300/500V
 Core Identification : **2 Core** - Blue & Brown, **3 Core** - Blue, Brown & Yellow/Green, **4 Core** - Blue, Brown, Black & Yellow/Green, **5 Core** - Blue, Black, Brown, Yellow/Green, Violet, **7 Core** - Blue, Brown, Black, Yellow/Green, Violet, Pink, Orange

Sheath Colours : White, Black, Grey

Packaging : 100m shrink-wrapped coils / 500m & 1000m lengths available on request

Technical Data

Cable Size (mm ²)	Number of Cores	Nominal Stranding No. x diameter	Approx. Overall Diameter (mm)	Conductor Resistance @ 20°C Maximum (Ω/km)	Current Rating *		Volt Drop		Approx. Cable Mass per 100m Coil (kg)
					1φ (A)	3φ (A)	1φ (mV/A/m)	3φ (mV/A/m)	
Light Duty 300 / 300V									
0,5	2	15/0,2	5,2	39	3	3	93	80	3,9
	3		5,5		3	3	93	80	4,7
	4		6,0		3	3	93	80	5,5
0,75	5	23/0,2	6,6	26	3	3	93	80	6,7
	3		6,1		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	6	62	54	6,7
	4		7,2		6	6	62	54	7,8
	5		8,2		6	6	62	54	9,9
	7		8,7		6	6	62	54	12,6
1	2	30/0,2	6,6	19,5	10	10	46	40	6,3
	3		7,0		10	10	46	40	7,6
	4		8,0		10	10	46	40	9,8
	5		8,6		10	10	46	40	11,6
1,5	7	44/0,2	9,3	13,3	10	10	46	40	14,8
	2		7,8		16	16	32	27	8,4
	3		8,3		16	16	32	27	10,8
	4		9,3		16	16	32	27	13,5
	5		10,0		16	16	32	27	16,2
2,5	7	72/0,2	10,9	7,98	16	16	32	27	20,7
	2		9,6		25	20	19	16	13,5
	3		10,3		25	20	19	16	16,8
	4		11,9		25	20	19	16	21,8
	5		12,2		25	20	19	16	24,2
4	7	112/0,2	13,2	4,96	25	20	19	16	31,3
	2		11,0		32	25	12	10	19,0
	3		11,4		32	25	12	10	25,0
	4		13,5		32	25	12	10	32,0
	5	14,1		32	25	12	10	33,9	

* Note: Current Rating based on - Ambient temperature is 30°C Maximum Conductor temperature is 70°C