



Cable Description

Single core flexible copper conductors to SANS 1411 Part 1, insulated with general purpose flexible grade PVC and sheathed with a flexible grade waterproof PVC/Nitrile

Installation Information

A flexible power cable where flexibility is needed in equipment such as:

- LV transformer connections
- Motor control centres
- General wiring applications
- Distribution boards

Properties

- Specification : SANS 1574 Part 3
- Temperature Range : -10°C to 70°C
- Voltage Rating : 600 / 1000V
- Core Identification : Red, Black, Blue, Yellow (Other colours on request)
- Packaging : Shrink-wrapped coils from 16mm² to 70mm² or 500m drums
- : The product is sequentially marked at one metre intervals.

Technical Data

Conductor Size (mm ²)	Approx. Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Impedance at 70°C (W/km)	Approx. Volt Drop (mV/A/m)		Continuous Current Rating * (A)		Approx. Cable Mass (kg/100m)
				1f	3f	1f	3f	
				16	5,2	10,8	1,460	
25	7,1	13,5	0,933	1,7	1,5	104	88	31,50
35	8,5	15,3	0,663	1,3	1,1	125	106	42,50
50	10,4	18,4	0,462	0,9	0,8	148	126	57,50
70	11,6	21,2	0,326	0,7	0,6	187	159	76,00
95	14,1	24,1	0,247	0,5	0,4	232	198	101,00
120	15,6	25,6	0,193	0,4	0,4	265	226	129,00
150	17,30	27,7	0,16	0,3	0,3	299	255	159,00
185	20,00	30,8	0,14	0,3	0,3	343	292	189,00

- * Note:
- Current ratings are based on cable installed in a cubicle, and may vary depending on other applications.
 - Assumed ambient air temperature is 30°C.
 - Maximum conductor temperature is 70°C.
 - Derating of maximum current for other ambient temperatures - use rating factor X as given below:

Ambient temperature, °C	:	25	30	35	40	45
Rating factor, X	:	1,04	1,00	0,95	0,91	0,85
Fault rating	:	115A/mm ² (1 Second)				