



CABLE DESCRIPTION

High conductivity bunch plain flexible copper conductors to SANS 1411 Part 1.. Cores insulated and bedded with Flexible PVC Grade. Final protection is given by a flexible PVC outer sheath.

INSTALLATION INFORMATION

Power supply of mobile and portable submersible pumps as used in:

- Quarries
- Farms
- Cleaning and Sewerage extraction plants
- De-watering
- Boreholes

PROPERTIES

- Specification : SANS 1574
- Temperature Range : -10°C to 70°C
- Insulation & Sheath : Flexible grade waterproof PVC
- Voltage Rating : 600 / 1000 V
- Sheath Identification : 3 Core - Blue
4 Core - Green
- Core Identification : 3 Core - Red, Yellow, Blue
4 Core - Red, Yellow, Blue, Black
- Packaging : Available on 500 metre wooden drums

TECHNICAL DATA

Cable Size (mm ²)	Conductor Resistance @ 20°C Maximum (Ω/km)	Current Rating * (A)	Volt Drop		Approx. Overall Diameter (mm)	Minimum Bending Radius (mm)	Approx. Cable Mass (kg/m)
			1φ 220V (mV/A/m)	3φ 380V			
3 Core							
1,5 x 3	13,3	15	29	25	10,2	82	0,15
2,5 x 3	7,98	20	17	15	11,7	94	0,2
4 x 3	4,96	30	12	9,5	13,5	108	0,3
6 x 3	3,30	35	7,3	6,4	15,1	121	0,5
10 x 3	1,91	50	4,3	3,8	17,6	141	0,6
16 x 3	1,21	65	2,8	2,4	20,1	161	0,8
4 Core							
1,5 x 4	13,3	15	29	25	11,2	89	0,2
2,5 x 4	7,98	20	17	15	12,8	102	0,25
4 x 4	4,96	30	12	9,5	14,6	116	0,35
6 x 4	3,30	35	7,3	6,4	16,5	132	0,5
10 x 4	1,91	50	4,3	3,8	19,2	153	0,7
16 x 4	1,21	65	2,8	2,4	22,0	176	1

* **Note:** - Assumed ambient air temperature 30°C.
- Assumed maximum conductor temperature 70°C.