

Submersible Pump Cable

3 and 4 Core



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 / 1000V
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)	Minimum Bending Radius	Approx. Overall Diameter (mm)	Current Rating * (A)	Conductor Resistance @ 20°C Maximum (Ω/km)	Volt Drop		Approx. Cable Mass per 100m Coil (kg)
					1φ 220V (mV/A/m)	3φ 380V (mV/A/m)	
3 Core (Blue)							
1,5 x 3	82	0,15	15	13,3	29	25	10,2
2,5 x 3	94	0,2	20	7,98	17	15	11,7
4 x 3	108	0,3	30	4,96	12	9,5	13,5
6 x 3	121	0,5	35	3,30	7,3	6,4	15,1
10 x 3	141	0,6	50	1,91	4,3	3,8	17,6
16 x 3	161	0,8	65	1,21	2,8	2,4	20,1
4 Core (Green)							
1,5 x 4	89	0,2	15	13,3	29	25	11,2
2,5 x 4	102	0,25	20	7,98	17	15	12,8
4 x 4	116	0,35	30	4,96	12	9,5	14,6
6 x 4	132	0,5	35	3,30	7,3	6,4	16,5
10 x 4	153	0,7	50	1,91	4,3	3,8	19,2
16 x 4	176	1	65	1,21	2,8	2,4	22,0

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