

Metric Cables (Pty) Ltd

87 NEWTON ROAD
MEADOWDALE
GAUTENG

PO BOX 1234
BEDFORDVIEW 2008
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TEL: 011 392 2345
FAX: (011) 392 2362
E-MAIL metricc@global.co.za

PVC SUBMERSIBLE CABLE

CABLE DESCRIPTION

- High conductivity bunched plain flexible copper conductor to SANS 1411 Part 1.
- Cores insulated and bedded with flexible PVC.
- Flexible Grade PVC Nitrile outer sheath.
- Power supply of mobile and stationary industrial machinery.
- Applications submersible pumps that require medium duty abrasion and where oil and water resistance is required
- High abrasion resistance, chemical resistance, oil and water resistant
- Flame retardant and self-extinguishing

PROPERTIES

Specification:	SANS 1574
Temperature Range:	-10°C to 70°C
Voltage Rating:	600/1,000 V
Sheath Identification:	PVC Nitrile – Blue
Core Identification:	Red, Yellow, Blue, Black
Packaging:	100 meter lengths or a drum of 500 meters.

TECHNICAL DATA

Cable Size	Conductor Resistance @ 20°C Max.	Current Rating	Volt Drop		Approx. Overall Diameter	Min. Bending Radius	Approx. Cable Mass
			1Ø 220V	3Ø 380V			
(mm ²)	(Ω/km)	(A)	(mV/A/m)		(mm)	(mm)	(kg/m)
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