

# AQUAVERN

## SUBMERSIBLE PVC FLEXIBLE PUMP CABLE

### Construction

High conductivity bunched flexible copper conductors, insulated and color coded with general purpose waterproof flexible PVC. Insulated cores are twisted together and filled with PVC to give the cable a round finish. Final protection is with a tightly bonded waterproof, flexible PVC sheath.

### Application

PVC is superior to rubber as a waterproofing agent when talking of submersible cables. Therefore AQUAVERN can be used for supplying power to types of indoor and outdoor, mobile, portable and fixed pumping equipment. AQUAVERN is used as a cost effective alternative to rubber insulated cables for boreholes, drainage, dewatering, cleaning and irrigation equipment. AQUAVERN is used on farms, mines, dockyards, municipalities, construction operations, railways, roadworks and factories.

### TECHNICAL DATA

	PRODUCT CODE	Size mm <sup>2</sup>	Stranding No x Dia	Nominal Amps		mV drop Amp/mtr		Nominal Dia	Mass Kg/100m
				1 ph 220V	3ph 380V	1 ph 220V	3ph 380V		
3 CORE	691AT015	1.5	27 x 0.26	18	15	29	25	10.0	14.96
	691AT025	2.5	44 x 0.26	24	21	18	15	11.0	19.30
	691AT040	4.0	49 x 0.31	32	28	11	9.5	13.0	27.65
	691AT060	6.0	74 x 0.31	41	36	7.3	6.4	14.7	37.82
	691AT100	10.0	126 x 0.31	57	50	4.4	3.8	16.9	55.77
	691AT160	16.0	200 x 0.31	76	68	2.8	2.4	18.9	76.38
4 CORE	692AF015	1.5	27 x 0.26	18	15	29	25	10.8	17.70
	692AF025	2.5	44 x 0.26	24	21	18	15	11.9	23.12
	692AF040	4.0	49 x 0.31	32	28	11	9.5	14.2	34.10
	692AF060	6.0	74 x 0.31	41	36	7.3	6.4	16.0	46.00
	692AF100	10.0	126 x 0.31	57	50	4.4	3.8	18.5	68.67
	692AF160	16.0	200 x 0.31	76	68	2.8	2.4	20.7	94.87

(Consult depth and motor power tables to determine appropriate size of cable to be utilised for application.)

### Specification (SABS 1574)

Voltage Rating	600/1000 Volts
Test Voltage	3000 Volts
Current Capacity AC	As per table above
Temperature Range	-10° to +80°C
Flexibility Class	4 & 5
Conductor Type	High Conductivity annealed copper
Insulation Material	Flexible grade waterproof PVC
Sheath Material	Flexible grade waterproof PVC
Sheath Colour	3 core - Blue
	4 core - Green
Core Colours	3 core - Red, Yellow, Blue
	4 core - Red, Yellow, Blue, Black

