

ALVERN CABLES SABS 1574

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Construction

High conductivity bunched flexible copper conductors, insulated and colour 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.

Applications

PVC is superior to rubber in a waterproof submersible cable, therefore AQUAVERN can be used for supplying power to all 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 pumping equipment. AQUAVERN is used on farms and in mines, dockyards, municipalities, construction operations, railways, roadworks and factories.

Specification (SABS 1574)

Voltage Rating	600/1000 Volts
Test Voltage	3000 Volts
Current Capacity AC	As per table below
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 Colours	Blue for 3-core products, Green for 4-core products
Core Colours	Red, Yellow, Blue (3-core)
	Red, Yellow, Blue, Black (4-core)

Packaging

Available in 500 drum lengths. Cut lengths also available on request.

This product is sequentially marked at one metre intervals for your convenience and security.

TECHNICAL DATA

PRODUCT CODE	Size mm ²	Stranding No & Dia	600/1000V Cubicle Wiring Amp Ratings		mV Drop Amp / mtr		Nominal Dia	Mass kg/100m
			1ph 220V	3ph 380V	1ph 220V	3ph 380V		
AV01.5X3BE	1.5	28 x 0.26	16	15	29	25	10.1	14.96
AV02.5X3BE	2.5	44 x 0.26	23	20	18	15	11.1	19.30
AV04.0X3BE	4.0	49 x 0.31	30	27	11	9.5	13.0	27.65
AV06.0X3BE	6.0	74 x 0.31	38	34	7.3	6.4	14.7	37.82
AV10.0X3BE	10.0	126 x 0.31	52	46	4.4	3.8	16.9	55.77
AV16.0X3BE	16.0	200 x 0.31	69	62	2.8	2.4	18.9	76.38
AV01.5X4GN	1.5	28 x 0.26	16	15	29	25	10.9	17.70
AV02.5X4GN	2.5	44 x 0.26	23	20	18	15	12.0	23.12
AV04.0X4GN	4.0	49 x 0.31	30	27	11	9.5	14.2	34.10
AV06.0X4GN	6.0	72 x 0.31	38	34	7.3	6.4	16.0	46.0
AV10.0X4GN	10.0	126 x 0.31	52	46	4.4	3.8	18.5	68.67
AV16.0X4GN	16.0	200 x 0.31	69	62	2.8	2.4	20.7	94.87

Consult depth and motor power tables in Appendix 1 on Page 31 to determine appropriate size of cable to be utilized for application