



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 finally protected with a tightly bonded waterproof, flexible PVC sheath.

Applications

PVC is superior to rubber in a waterproof submersible cable, therefore AQUAFLAT can be used for supplying power to all types of indoor and outdoor, mobile, portable and fixed pumping equipment. AQUAFLAT is used as a cost effective alternative to rubber insulated cables for boreholes, drainage, dewatering, cleaning and irrigation pumping equipment. AQUAFLAT is used on farms and in mines, dockyards, municipalities, construction operations, railways, roadworks and factories.

Specification (SABS 1574)

Voltage Rating	450/750 Volts
Test Voltage	2500 Volts
Temperature Range	-10° to +80°C
Flexibility Class	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	Black, Brown, Blue (3-core) Brown, Green/Yellow, Blue, Black (4-core)

Packaging

Available in 500 metre 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	450/750V Cubicle Wiring Amp Ratings		mV Drop Amp / mtr		Nominal Dia	Mass kg/100m
			1ph 220V	3ph 380V	1ph 220V	3ph 380V		
AQF01.5X3BE	1.5	28 x 0.26	16	15	29	25	6.0 x 12	10.65
AQF02.5X3BE	2.5	44 x 0.26	23	20	18	15	7.2 x 14.5	16.11
AQF04.0X3BE	4.0	49 x 0.31	30	27	11	9.5	7.7 x 16	24.91
AQF06.0X3BE	6.0	74 x 0.31	38	34	7.3	6.4	8.3 x 17.7	32.29
AQF10.0X3BE	10.0	126 x 0.31	52	46	4.4	3.8	9.7 x 22	50.97
AQF16.0X3BE	16.0	200 x 0.31	69	62	2.8	2.4	11.4 x 26.1	76.24
AQF01.5X4GN	1.5	28 x 0.26	16	15	29	25	6.2 x 15.2	13.08
AQF02.5X4GN	2.5	44 x 0.26	23	20	18	15	7.2 x 18.2	19.44
AQF04.0X4GN	4.0	49 x 0.31	30	27	11	9.5	7.7 x 20.1	32.45
AQF06.0X4GN	6.0	180 x 0.41	38	34	7.3	6.4	8.3 x 22.4	42.29
AQF10.04GN	10.0	180 x 0.41	52	46	4.4	3.8	9.7 x 28.1	67.22
AQF16.0X4GN	16.0	72 x 0.31	69	62	2.8	2.4	11.4 x 33.5	100.75

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