

PANEL FLEX/SINGLE FLEX

SINGLE CORE MULTI STRANDED PANEL FLEX/SINGLE FLEX

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Construction

High conductivity bunched plain flexible copper conductors, insulated with general purpose grade PVC in all colours. Insulation is water, oil and abrasion resistant.

Applications

For the wiring of all types of control panels, light fittings, appliances, communication panels, signalling relay racks as well as many other applications. Manufactured to SABS 1574, these products are used by public transport services, municipalities, Telkom, Eskom, major switchgear companies, electrical contractors and electricians.

Specification

Voltage Rating

Test Voltage

Current Capacity AC

Temperature Range

Flexibility Class

Conductor Type

Insulation Material

Colour Options

(SABS 1574)

PF type 300/500 Volts

SF type 600/1000 Volts

5000/6000 Volts

As per table below

-10° to +80°C

4 & 5

High conductivity annealed copper

Flexible grade PVC

Blue, Black, Brown, Yellow, Green/Yellow, Orange, Pink, Violet, Grey, White, Red and Green

Packaging

Available in 100 metre shrink-wrapped coils.

TECHNICAL DATA

PRODUCT CODE	Size mm ²	Stranding No x Dia	Nominal Dia	Nominal Amps**	Mass Kg/100m
PF0.50#	0.5	14 x 0.21	2.1	3	0.89
SF000.75#	0.75	21 x 0.21	2.7	6	1.39
SF001.00#	1.0	28 x 0.21	2.9	10	1.67
SF001.50#	1.5	42 x 0.21	3.2	16	2.21
SF002.50#	2.5	44 x 0.26	3.6	25	3.10
SF004.00#	4.0	48 x 0.31	4.5	32	5.05
SF006.00#	6.0	72 x 0.31	5.1	41	7.02
SF010.00#	10.0	126 x 0.31	6.1	57	11.53
SF016.00#	16.0	200 x 0.31	7.3	76	17.53
SF025.00#	25.0	312 x 0.31	9.2	101	28.12
SF035.00#	35.0	440 x 0.31	9.8	125	36.74
SF050.00#	50.0	632 x 0.31	12.4	151	53.82
SF070.00#	70.0	904 x 0.31	14.0	192	73.87
SF095.00#	95.0	678 x 0.41	16.3	232	99.09
SF120.00#	120.0	864 x 0.41	18.4	269	123.53

**Rating for two wires only, for more wires derate as follows:

3 to 5 wires 0.8 6 to 15 wires 0.7 16 to 30 wires 0.5

Refer to colour codes on page 1