

EQUIPMENT

cables



FLEX-O-POWER

FLEXIBLE WELDING
& POWER CABLE

Construction

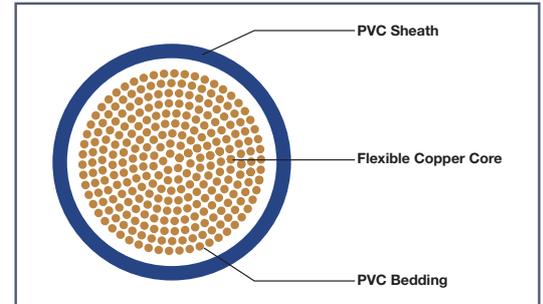
High conductivity bunched flexible annealed copper conductors, insulated with a soft flexible grade PVC suitable for welding and power purposes.

Applications

FLEX-O-POWER is manufactured with a flexible grade PVC, which makes it a user-friendly flexible welding and power cable. FLEX-O-POWER can be used on all types of indoor and outdoor electric welding and power equipment.

Packaging

Available in 100 metre shrink-wrapped coils and on 500 metre drums. Cut lengths are also available on request. This product is sequentially marked at one metre intervals for your convenience and security.



Specification	(SABS 1574 as a guide)
Voltage Rating	1000 Volts
Test Voltage	2000 Volts
Temperature Range	-10° to +80°C
Flexibility Class	5
Conductor Type	High conductivity annealed copper
Insulation Material	Soft flexible grade PVC
Colour Options	Standard or Phase Colours



Technical Data

Product Code	Size mm ²	Stranding No x Dia	Nominal Dia	Sheath Colour	Cubicle Wiring Amp Ratings		Mass kg/100m
					1 ph 220V	3 ph 380V	
FOP016GN	16	120 x 0.41	8.7	Green	76	68	20.10
FOP025BE	25	180 x 0.41	9.9	Blue	101	89	28.80
FOP035GY	35	252 x 0.41	11.0	Grey	125	110	39.28
FOP050RD	50	366 x 0.41	13.4	Red	151	134	54.94
FOP070BN	70	342 x 0.501	15.4	Brown	192	171	76.00

Consult current ratings for welding cables in Appendix 2 on page 78

PERMOPOWER

DOUBLE INSULATED
POWER & WELDING CABLE

Construction

High conductivity bunched flexible copper conductors with primary insulation of general purpose grade PVC and a tightly bonded water and oil resistant PVC/rubber nitrile blend sheath.

Applications

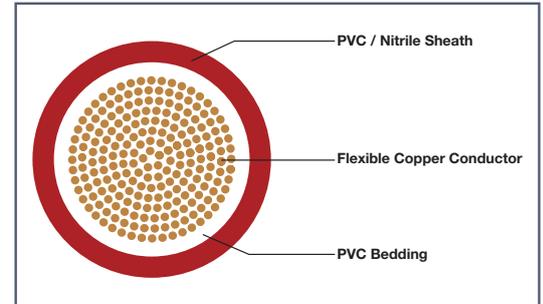
PERMOPOWER is manufactured to SABS 1507 specification, is flexible, and rated at 1000 volts. It can be used on all types of indoor and outdoor panel and power equipment. PERMOPOWER is an excellent replacement for large, rigid type stranded house wires, and is quick to install in ducts, shafts, switchboards, trunking, conduit, transformer connections, large borehole pumps and many types of wiring applications in confined spaces. Excellent product for harsh welding environments.

Packaging

Available in 500 metre drums.

Cut lengths are also available on request.

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



Specification	(SABS 1507)
Voltage Rating	1000 Volts
Test Voltage	6000 Volts
Temperature Range	-10° to +80°C
Flexibility Class	5
Conductor Type	High conductivity annealed copper
Insulation Material	PVC/Rubber Nitrile blend
Colour Options	Blue, Black, Red, White (Standard welding colours also available)



Technical Data

Product Code	Size mm ²	Stranding No x Dia	Nominal Dia	Cubicle Wiring Amp Ratings		Mass kg/100m
				1 ph 220V	3 ph 380V	
PP016#	16	120 x 0.41	9.4	76	68	21.90
PP025#	25	180 x 0.41	10.4	101	89	30.33
PP035#	35	252 x 0.41	11.8	125	110	41.44
PP050#	50	366 x 0.41	14.4	151	134	59.88
PP070#	70	516 x 0.41	17.1	192	171	83.00
PP095#	95	456 x 0.501	18.6	232	207	107.06
PP120#	120	582 x 0.501	21.3	269	239	136.92
PP150#	150	762 x 0.501	24.7	300	262	179.32
PP185#	185	924 x 0.501	26.8	341	296	220.10

When ordering, insert colour code here (Refer to Page 1)

Consult current ratings for welding cables in Appendix 2 on page 78

PANEL / SINGLE FLEX

SINGLE CORE MULTI STRANDED PANEL WIRE

Construction

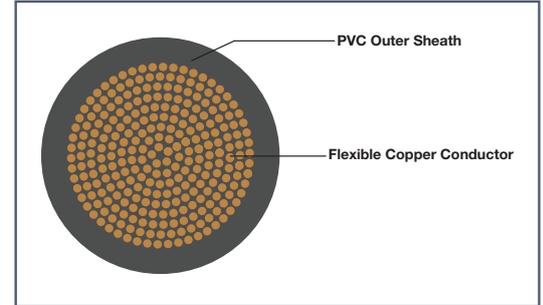
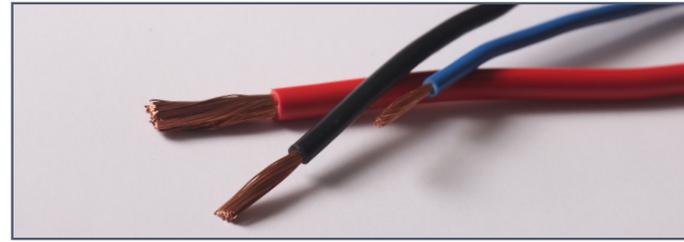
High conductivity bunched plain annealed flexible copper conductors, insulated with general purpose grade PVC in all colours. Insulation is water, oil and abrasion resistant.

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.

Packaging

Available in 100 metre shrink-wrapped coils.
500/1000 metre reels available on request.



Specification	(SABS 1574)
Voltage Rating	PF type 300/500 Volts SF type 600/1000 Volts
Test Voltage	6000 Volts
Temperature Range	-10° to +80°C
Flexibility Class	5
Conductor Type	High conductivity annealed copper
Insulation Material	Flexible grade PVC
Colour Options	Blue, Black, Brown, Yellow, Green/Yellow, Orange, Pink, Violet, Grey, White, Red and Green



Technical Data

Product Code	Size mm ²	Stranding No x Dia	Nominal Amps	Nominal Dia	Mass kg/100m
PF0.50#	0.5	14 x 0.21	3	2.1	0.89
SF000.75#	0.75	21 x 0.21	6	2.7	1.39
SF001.00#	1.0	28 x 0.21	13	2.9	1.67
SF001.50#	1.5	42 x 0.21	17	3.2	2.21
SF002.50#	2.5	44 x 0.26	24	3.6	3.10
SF004.00#	4.0	48 x 0.31	32	4.5	5.05
SF006.00#	6.0	72 x 0.31	41	5.1	7.02
SF010.00#	10.0	128 x 0.31	57	6.2	11.53
SF016.00#	16.0	200 x 0.31	76	7.3	17.53
SF025.00#	25.0	306 x 0.31	101	9.1	28.12
SF035.00#	35.0	440 x 0.31	125	9.8	36.74
SF050.00#	50.0	632 x 0.31	151	12.4	53.82
SF070.00#	70.0	904 x 0.31	192	14.0	73.87
SF095.00#	95.0	678 x 0.41	232	16.3	99.09
SF120.00#	120.0	864 x 0.41	269	18.4	123.53

When ordering, insert colour code here (Refer to Page 1)

PANEL SOLID

SINGLE CORE SOLID PANEL WIRE

Construction

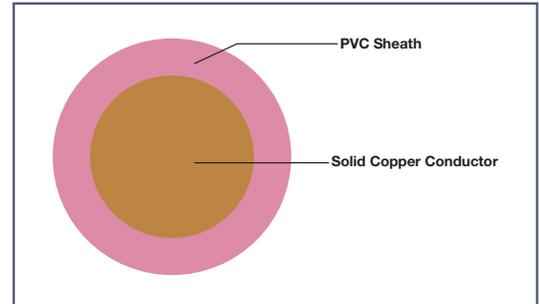
High conductivity solid plain annealed copper conductor, insulated with general purpose grade PVC in plain colours. Insulation is water, oil and abrasion resistant.

Applications

For the wiring of all types of control panels, light fittings, appliances, commercial panels, signalling relay racks, and many other appliances. Manufactured to SABS 1507, it is used by public transport services, municipalities, lighting manufacturers, electrical and electronic appliance manufacturers.

Packaging

Available in 100 metre shrink-wrapped coils.



Specification (SABS 1507 - 2)

Voltage Rating	300/500 Volts
Test Voltage	2250 Volts
Current Capacity AC	8 Amps
Temperature Range	-10° to +80°C
Flexibility Class	1
Conductor Type	High conductivity annealed copper
Insulation Material	General purpose grade PVC
Colour Options	Blue, Black, Brown, White, Red, Violet, Green, Grey, Orange, Pink and Yellow



Technical Data

Product Code	Size mm ²	Nominal Amps	Nominal Dia	Mass kg/100m
PS1.0#	1.0	8	2.1	1.1

When ordering, insert colour code here (Refer to Page 1)