

# DOMESTIC

cables



# ALFIX

## CIRCULAR SURFACE WIRING CABLES (SURFIX)

### Construction

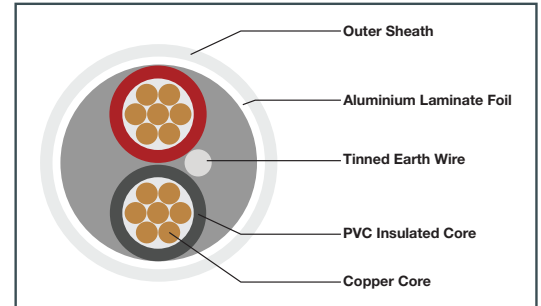
High conductivity solid or stranded plain annealed copper conductors, insulated and colour coded with hard grade PVC, covered in an aluminium/PVC laminate foil in contact with the tinned earth wire and bonded to a sheath of hard grade PVC finished in a circular configuration.

### Applications

ALFIX is for direct installation without further protection on walls, in roofs and suspended floors in houses, offices and buildings. It's neat appearance allows for surface installation. As ALFIX is manufactured to SABS 1507, it is approved by municipalities and other major utility companies and is widely used by electrical contractors and electricians.

### Packaging

Available in 100 metre shrink-wrapped coils.  
1000 metre drums available on request.



Specification	(SABS 1507 - 2)
Voltage Rating	300/500 Volts
Test Voltage	2250 Volts
Temperature Range	-10° to +80°C
Minimum Bending Radius	15 x Cable Diameter
Protection	Aluminium Foil
Flexibility Class	1
Conductor Type	High conductivity annealed copper
Insulation Material	Hard grade abrasion resistant PVC
Sheath Material	Hard grade abrasion resistant PVC
Sheath Colours	White and Black
Core Colours	2 core - Red and Black, Tinned earth wire 3 core - Red, Yellow and Blue, Tinned earth wire 4 core - Red, Yellow, Blue and Black, Tinned earth wire



### Technical Data

Product Code	Size mm <sup>2</sup>	No. of Cores	Earth mm <sup>2</sup>	Nominal Amps	Nominal Dia	Mass kg/100m
AF1.5X2+E#	1.5	2 + E	1.0	22	7.1	8.29
AF1.5X3+E#	1.5	3 + E	1.0	19	7.8	10.49
AF1.5X4+E#	1.5	4 + E	1.0	19	8.5	13.00
AF2.5X2+E#	2.5	2 + E	1.5	30	8.5	11.76
AF2.5X3+E#	2.5	3 + E	1.5	25	9.0	15.13
AF2.5X4+E#	2.5	4 + E	1.5	25	9.9	18.91
AF4.0X2+E#	4.0	2 + E	1.5	40	10.2	17.20
AF4.0X3+E#	4.0	3 + E	1.5	34	10.9	22.72
AF4.0X4+E#	4.0	4 + E	1.5	34	11.9	28.61
AF6.0X2+E#	6.0	2 + E	2.5	51	11.3	25.83
AF6.0X3+E#	6.0	3 + E	2.5	43	12.1	31.13
AF6.0X4+E#	6.0	4 + E	2.5	43	13.3	39.24

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

# ALVEX FLAT SURFACE WIRING CABLES (FLAT TWIN AND EARTH)

## Construction

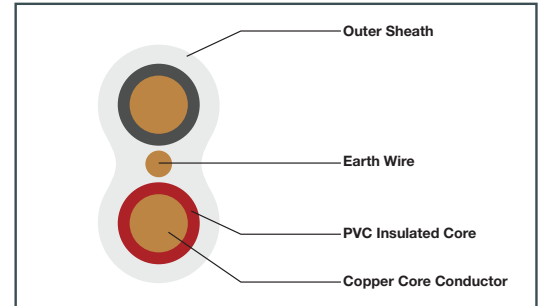
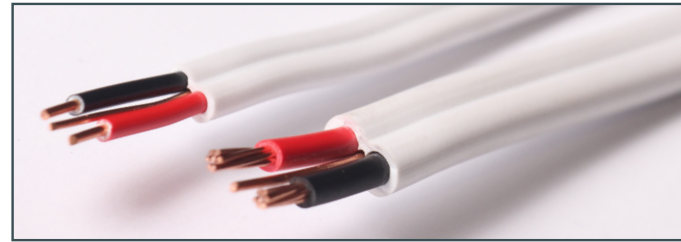
High conductivity solid or stranded plain annealed copper conductors, insulated and colour coded with general purpose grade PVC. These insulated cores plus a bare copper earth wire are then sheathed with a flexible grade PVC in a flat parallel configuration.

## Applications

ALVEX is for direct installation without further protection in roofs, floors and under plaster in houses, offices and buildings. It's neat, low profile also allows for surface installation. As ALVEX is manufactured to SABS 1507, it is approved by municipalities and other major utility companies and is also used by electrical contractors and electricians.

## Packaging

Available in 100 metre shrink-wrapped coils.  
1000 metre drums available on request.



Specification	(SABS 1507 - 2)
Voltage Rating	300/500 Volts
Test Voltage	2250 Volts
Temperature Range	-10° to +80°C
Flexibility Class	2
Conductor Type	High conductivity annealed copper
Insulation Material	General purpose grade PVC
Sheath Material	Flexible grade PVC
Sheath Colour	White and Black
Core Colours	Red, Black and Bare copper earth



## Technical Data

Product Code	Size mm <sup>2</sup>	No. of Cores	Earth mm <sup>2</sup>	Nominal Amps	Nominal Breadth & Height	Mass kg/100m
AX01.0X2+E#	1.0	2	1.0	14	7.6 x 4.1	6.35
AX01.5X2+E#	1.5	2	1.0	22	8.5 x 4.6	8.16
AX02.5X2+E#	2.5	2	1.5	30	10.1 x 5.4	11.93
AX04.0X2+E#	4.0	2	1.5	40	11.9 x 6.4	17.50
AX06.0X2+E#	6.0	2	2.5	51	13.4 x 6.9	23.54

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

# HOUSE WIRE

GENERAL PURPOSE HOUSE WIRE

## Construction

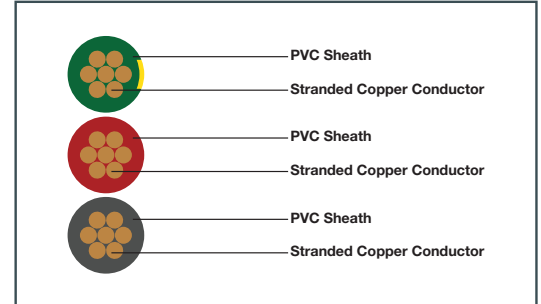
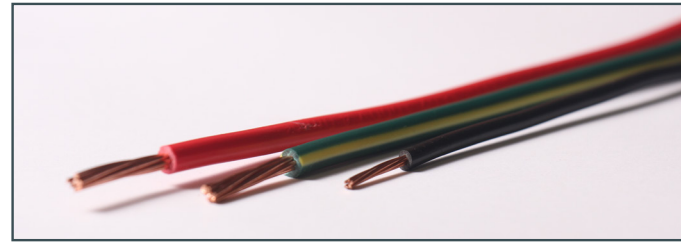
High conductivity annealed stranded copper conductors, insulated with general purpose grade PVC.

## Applications

For the wiring of all types of control panels, buildings, factors, relay racks, etc. General purpose HOUSE WIRE is used by electrical contractors, electricians, municipalities and all major switchboard manufacturers.

## Packaging

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



Specification	(SABS 1507 - 2)
Voltage Rating	600/1000 Volts
Test Voltage	3000 Volts
Temperature Range	-10° to +80°C
Flexibility Class	2
Conductor Type	High conductivity annealed copper
Insulation Material	General purpose grade PVC
Colours Options	Blue, Black, Red, Violet, Green/Yellow, White, Orange, Pink, Grey, Brown and Yellow



## Technical Data

Product Code	Size mm <sup>2</sup>	Stranding No x Dia	Nominal Dia	Cubicle Wiring Amp Ratings		Mass kg/100m
				1 ph 220V	3 ph 380V	
HW01.5#	1.5	7 x 0.53	3.1	18	16	2.38
HW02.5#	2.5	7 x 0.67	3.6	24	21	3.43
HW04.0#	4.0	7 x 0.86	4.6	32	28	5.67
HW06.0#	6.0	7 x 1.06	5.1	41	36	7.82
HW10.0#	10.0	7 x 1.37	6.1	57	50	12.24
HW16.0#	16.0	7 x 1.72	7.1	76	68	18.46
HW25.0#	25.0	19 x 1.38	8.4	101	89	25.60
HW35.0#	35.0	19 x 1.62	9.5	125	110	34.70
HW50.0#	50.0	19 x 1.88	11.3	151	134	47.20
HW70.0#	70.0	19 x 2.28	12.6	192	171	66.10
HW95.0#	95.0	19 x 2.50	15.8	232	207	97.60

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

# ILLUMINATION CABLE

## 2 CORE FLAT CABLE

### Construction

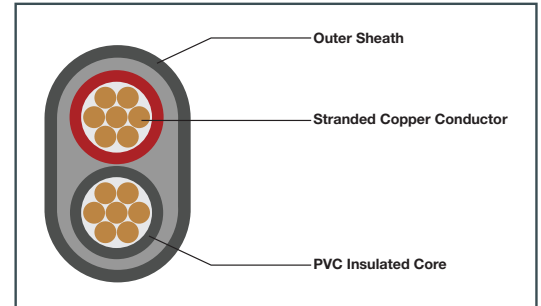
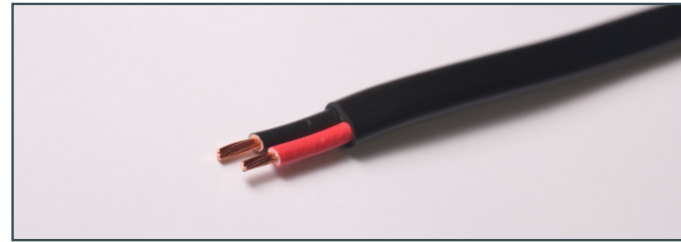
High conductivity stranded plain annealed copper conductors, insulated with a flexible grade PVC, then sheathed with a flexible grade PVC in a flat parallel configuration.

### Applications

For festoon lighting at festivals, parties, shows, braais and any application where quick fit lamp holders are used. The correct size profile and soft sheath allows for a watertight seal between the standard lamp holder and the cable.

### Packaging

Available in 100 metre shrink-wrapped coils.



Specification	(SABS 1507 - 2 as a guide)
Voltage Rating	300/500 Volts
Test Voltage	2250 Volts
Current Capacity AC	27 Amps
Temperature Range	-10° to +80°C
Flexibility Class	2
Conductor Type	High conductivity annealed copper
Insulation Material	Flexible grade PVC
Sheath Material	Flexible grade PVC
Sheath Colour	Black
Core Colours	Black and Red



### Technical Data

Product Code	Size mm <sup>2</sup>	No. of Cores	Nominal Amps	Nominal Breadth & Height	Mass kg/100m
IC2.5BK	2.5	2	27	10.2 x 5.6	11.55

# MOULDED PLUGS

EXTENSION CORDS

## Construction

Extension Cord: The cable contains high conductivity bunched copper conductors, insulated and colour coded with general purpose flexible grade PVC. The plug is then moulded onto the cable and is constructed of the same cable grade flexible PVC. This can then be put onto a cable reel or kept in coil form with a socket outlet attached.

## Applications

For extension purposes to supply power to all types of electrical appliances and equipment.

## Packaging

10 amp (1.0mm<sup>2</sup>) units are available in 10m, 20m and 30m.

16 amp (1.5mm<sup>2</sup>) units are available in 10m, 20m and 30m.

20 amp (2.5mm<sup>2</sup>) units are available in 20m, 30m and 40m.

\* Amp Rating based on Cable Capacity.



## Specification

### CORD SETS AND EXTENSION CORD SETS - SABS 1661

Voltage Rating Input Voltage 250 Volts

Sheath Colours Black and White

### PLUGS AND SOCKET OUTLET - SABS 164.1

Voltage Rating Input Voltage 250 Volts

Sheath Colours Black and White



## Technical Data

Product Code	Size mm <sup>2</sup>	Nominal Amps	Nominal Dia
MP10AMPX3#*MJC	1.0	10	7.0
MP16AMPX3#*MJC	1.5	16	8.2
MP20AMPX3#*MJC	2.5	20	9.9

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

\* When ordering, insert length here (Refer to packaging)

### Construction

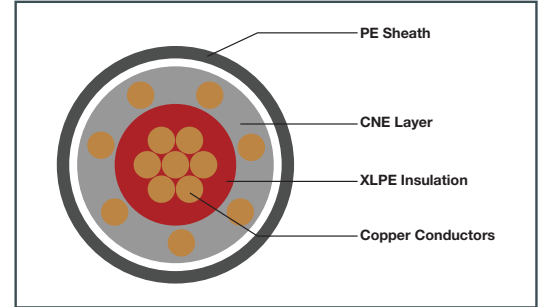
The phase core comprises of a highly conductive hard drawn copper conductor, insulated with a red crosslinked polyethylene which is ultraviolet stabilised. The phase core is surrounded by highly conductive annealed copper earth conductors as well as insulated neutral cores that form a single concentric layer around the phase core. The cable also includes two communication cores. The overall sheath consists of black polyethylene which is ultraviolet stabilised to complete the product.

### Applications

Used as a house service cable.

### Packaging

Available in 500 metre drums.



Specification	(SABS 1507 - 6)
Voltage Rating	600 Volts
Test Voltage	3000 Volts
Temperature Range	-10° to +80°C
Flexibility Class	1 & 2
Conductor Type	High conductivity annealed copper
Insulation Material	UV stabilised Cross-Linked Polyethylene
Sheath Material	Polyethylene
Sheath Colour	Black
Core Colours	CN - Red phase, Bare copper neutral and earth SNE - Red phase with black neutrals and bare copper earth
Communication Cores	Blue and White



### Technical Data (CN)

Product Code	Size mm <sup>2</sup>	Phase Conductors	Neutral Conductors	Nominal Amps	Nominal Dia	Mass kg/100m
CN4	4.0	7 x 0.82	7 x 0.86	30	8.90	13.01
CN10	10.0	7 x 1.32	7 x 0.86	50	11.05	27.21

### Technical Data (SNE)

Product Code	Size mm <sup>2</sup>	Phase Conductors	Pilot Cores	Earth Conductors	Neutral Conductors	Nominal Amps	Nominal Dia	Mass kg/100m
SNE10	10.0	7 x 1.32	2 x 0.82	3 x 1.58	7 x 1.32	50	12.8	32.00
SNE16	16.0	7 x 1.72	2 x 2.58	3 x 2.06	7 x 1.72	70	14.5	48.50