



PVC® HOUSE WIRE

SINGLE CORE GENERAL PURPOSE CABLE

ABERDARE
CABLES
Driven by Powertech



CABLE DESCRIPTION

High conductivity annealed stranded or solid copper conductors to SANS 1411 Part 1. Insulated with general purpose grade PVC in plain colours to SANS 1411 Part 2.

INSTALLATION INFORMATION

For the wiring of :

- Industrial Buildings
- Control Panels
- Light Fittings
- Housing
- Appliances
- Communication Panels

PROPERTIES

- Specification : SANS 1507-2
- Temperature Range : -10°C to 70°C
- Voltage Rating : 600 / 1000 V
- Core Identification : Blue, Black, Brown, Yellow/Green, Orange, Pink, Violet, Grey, White, Red
- Packaging : 100m shrink-wrapped coils up to 70mm²
Over 70mm² on 300m drums

TECHNICAL DATA

Cable Size	Nominal Stranding No. x diameter	Approx. Overall Diameter	Current Rating *	Conductor Resistance @ 20°C Maximum	1φ Volt Drop	Approx. Cable Mass per 100m Coil
(mm ²)		(mm)	(A)	(Ω/km)	(mV/A/m)	(kg)
25	19/1,38**	8,4	110	0,73	1,8	25,6
35	19/1,62**	9,5	135	0,52	1,3	34,7
50	19/1,88**	11,3	170	0,39	0,9	47,2
70	19/2,28**	12,6	220	0,27	0,7	66,1
95	19/2,50	15,8	270	0,19	0,50	97,6
120	37/2,03	17,5	320	0,15	0,41	120,0
150	37/2,28	19,7	365	0,12	0,35	147,0
185	37/2,50	22,0	425	0,10	0,30	182,2
240	61/2,28	25,0	500	0,08	0,25	235,0
300	61/2,50	27,5	580	0,06	0,23	298,0
400	61/2,80	31,0	680	0,05	0,21	379,0
500	61/3,15	34,5	780	0,04	0,19	483,1
630	91/2,93	38,0	900	0,03	0,18	622,5

* **Note:** - Assumed ambient air temperature 30°C.
- Assumed maximum conductor temperature 70°C.

** **Note:** - Compacted Conductors