



CABLE DESCRIPTION

Copper conductors to SANS 1411 Part 1, PVC insulated to SANS 1411 Part 2, laid up with a bare tinned copper earth wire in contact with a longitudinal aluminium/polyethylene laminate, UV stable PVC sheathed to SANS 1411 Part 2.

INSTALLATION INFORMATION

Complies with SANS 10142 "Code of Practice for wiring of Premises" Section 6.

- Surface wiring
- Under-plastering wiring
- Wiring in hollow walls
- Wiring in roof spaces

PROPERTIES

- Specification : SANS 1507-2
- Temperature Range : -10°C to 70°C
- Voltage Rating : 300 / 500 V
- Sheath Identification : White & Black
- Core Identification : 2 Core - Red & Black
3 Core - Red, Yellow, Blue
4 Core - Red, Yellow, Blue, Black
- Packaging : 100m shrink-wrapped coils
Available on 500 & 1000 metre wooden drums on request

TECHNICAL DATA

Cable Size * (mm ²)		Electrical Properties					Physical Properties	
		Conductor Resistance (dc @ 20° C) (Ω/km)		Current Rating ** (A)	Volt Drop *** (mV/A/m)	1 Sec Short Circuit Rating (kA)	Overall Diameter (Approx.) (mm)	Cable Mass (Approx.) (kg/100m)
Phase	Earth	Phase	Earth					
2 Core								
1,5	1	12,1	18,2	17	29	0,14	7,8	10,6
2,5	1,5	7,41	12,2	23	18	0,24	8,8	14,4
4	1,5	4,61	12,2	30	11	0,38	10,1	20,8
6	2,5	3,08	7,56	38	7,3	0,58	11,3	25,7
10	4	1,83	4,7	52	4,4	0,96	13,5	39,3
16	6	1,15	3,11	69	2,8	1,54	15,0	52,0
3 Core								
1,5	1	12,1	18,2	15	25	0,14	8,0	10,9
2,5	1,5	7,41	12,2	20	15	0,24	9,3	15,7
4	1,5	4,61	12,2	27	9,5	0,38	10,8	21,0
6	2,5	3,08	7,56	34	6,4	0,58	12,0	28,7
4 Core								
1,5	1	12,1	18,2	15	25	0,14	8,7	13,3
2,5	1,5	7,41	12,2	20	15	0,24	10,2	19,3
4	1,5	4,61	12,2	27	9,5	0,38	11,8	26,5
6	2,5	3,08	7,56	34	6,4	0,58	12,8	33,5

* Conductors larger than 2,5mm² are usually stranded.

** Maximum conductor temperature 70° C, and installed as per installation Method 3 of SANS 10142-1.

*** 2 Core - Volt drop is phase to Neutral (ie. Single-phase).

3 and 4 Core - Volt drop is phase-to-phase. (ie. Three phase AC).