



### 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

**Note:** The cable shall not be buried direct in concrete or in screed. Joints in the wiring shall be in boxes only.

### Properties

- Specification : SANS 1507-2
- Temperature Range : -10°C to 70°C
- Voltage Rating : 300/500V
- 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 (depending on size)

### Technical Data

Cable Size *		Electrical Properties				Physical Properties		
		Conductor Resistance (dc @ 20°C)		Current Rating **	Volt Drop ***	1 Sec Short Circuit Rating	Approx. Overall Diameter	Approx. Cable Mass
Phase	Earth	Phase	Earth					
(mm <sup>2</sup> )		(Ω/km)		(A)	(mV/A/m)	(kA)	(mm)	(kg/100m)
<b>2 Core</b>								
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
<b>3 Core</b>								
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
<b>4 Core</b>								
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

- Note:**
- \* Conductors larger than 2,5mm<sup>2</sup> 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).