



Cable Description

Copper conductors to SANS 1411 Part 1, PVC insulated to SANS 1411 Part 2, laid up with a bare copper earth-continuity-conductor between them, UV stable PVC sheathed to SANS 1411 Part 2.

Installation Information

Complies with SANS 10142/2001 "Code of Practice for the wiring of Premises" Section 6, Clause 6.3.6:

- Surface wiring
- Under-plaster wiring
- Roof access wiring
- Wiring in hollow walls

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
- Packaging : 100m shrink-wrapped coils

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 ²)	(Ω/km)	(A)
2 Core											
1,5	1	12,1	18,1	17	29	0,14	8,7 × 4,7	8,7			
2,5	1,5	7,4	12,1	23	18	0,24	10,3 × 5,5	12,8			
4	1,5	4,61	12,1	30	11	0,38	11,9 × 6,4	17,5			
6	2,5	3,08	7,41	38	7,3	0,58	13,4 × 7,0	23,3			
10	4	1,83	4,61	52	4,4	0,96	16,5 × 8,3	36,1			
3 Core (Trip)											
1	1	18,2	18,2	12	38	0,11	4,4 × 10,4	8,9			
1,5	1	12,1	18,2	15	25	0,14	4,8 × 10,5	9,9			
2,5	1,5	7,4	12,2	20	15	0,24	5,5 × 12,3	14,1			

- Note:**
- * 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).