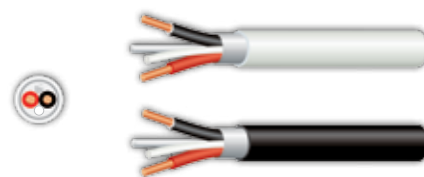


SURFIX® CABLE

300/500V

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
- Wiring in hollow walls
- Under-plastering wiring
- 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

 UV Stable		 Sheath Identification	: White or black
 Specifications	: SANS 1507-2	 Core Identification	: 2 Core - Red and black, 3 Core - Red, yellow, blue, 4 Core - Red, yellow, blue, black
 Temperature Range	: -10°C to 70°C	 Packaging	: 100mt shrink-wrapped coils
 Voltage Rating	: 300/500V		: Available on 500 and 1000mt wooden drums on request (depending on size)

Technical Data

Cable Size *		Electrical Properties					Physical Properties	
		Conductor Resistance (DC @ 20°C)		Current Rating **	Voltage Drop ***	1 Second Short Circuit Rating	Approximate Overall Diameter	Approximate Cable Mass
		Phase	Earth					
(mm²)		(Ω/km)		(A)	(mV/A/mt)	(kA)	(mm)	(kg/100mt)
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		4,61		30	11	0,38	10,1	20,8
6	2,5	3,08	7,56	38	7,3	0,58	11,3	25,7
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		4,61		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		4,61		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

Product Code

Cable Size	Black			White		
(mm²)	2 Core	3 Core	4 Core	2 Core	3 Core	4 Core
1,5	F0000598	F0000603	F0000608	F0000600	F0000605	F0000609
2,5	F0000614	F0000619	F0000623	F0000616	F0000620	F0000624
4	F0000627	F0000631	F0000635	F0000628	F0000632	F0000636
6	F0000639	F0000641	F0000643	F0000640	F0000642	F0000644
10	F0000610			F0000611		

- *Note - Conductors larger than 2,5mm² are usually stranded.
 **Note - Maximum conductor temperature 70°C, and installed as per installation Method 3 of SANS 10142-1.
 ***Note - 2 Core - Voltage drop is phase to Neutral (i.e. Single-phase).
 - 3 and 4 Core - Voltage drop is phase-to-phase. (i.e. Three phase AC).