

# BS5467 SWA PVC BASEC 0.6/1kV Cable

Stranded plain annealed copper conductors, XLPE insulated, PVC bedding, galvanized steel wire armor, PVC outer sheath. Black. 600/1000 volts grade to BS5467. Flame propagation to BS EN 60332.



## Application Range

Power and control cables for fixed installation in the following applications;

- For indoor and outdoor use
- Heavy duty power equipment
- For use in power networks and cable ducting

## Design

- Bare copper wire conductors
- Cores twisted in layers
- XLPE (Cross-Linked Polyethylene)
- PVC outer sheath

## Technical Data

### Core Identification:

- 2-core: Blue, Brown
- 3-core: Brown, Black, Grey
- 4-core: Blue, Brown, Black, Grey
- 5-core: Blue, Brown, Black, Grey, G/Y

### Conductor Stranding: IEC60228

Class 2 stranded copper conductors

### Cable Standards

BS5467, BS EN/IEC 60502-1  
BS EN/IEC 60332-1-2

Note 5X95 and above manufactured to IEC60502-1

### Minimum Bending Radius

1.5mm<sup>2</sup> to 16mm<sup>2</sup> - Fixed: 6 x overall diameter  
25mm<sup>2</sup> and above - Fixed: 8 x overall diameter

### Nominal Voltage

600/1000V

### Temperature Range

Fixed Installation: -25°C to +90°C

Number of cores & Cross section mm <sup>2</sup>	Nominal OD mm	Copper Index kg's per km	Weight Kg's per km
2X1.5	12.1	28.8	302
2X2.5	13.6	48	346
2X4	14.7	76	410
2X6	15.9	116	499
2X10	18	192	648
2X16	20.4	308	978
2X25	20.4	480	1290
2X35	23.3	672	1500
2X50	25.8	960	1890
2X70	29	1344	2450
2X95	33.1	1824	3300
2X120	36.1	2304	4020
2X150	39.3	2880	4750

<b>Number of cores &amp; Cross section mm<sup>2</sup></b>	<b>Nominal OD mm</b>	<b>Copper Index kg's per km</b>	<b>Weight Kg's per km</b>
3X1.5	12.6	43	330
3X2.5	14.1	72	390
3X4	15.3	115	464
3X6	16.6	173	568
3X10	19.5	288	866
3X16	21.6	461	1152
3X25	23.6	720	1800
3X35	25.7	1008	2230
3X50	28.5	1440	2490
3X70	32.2	2016	3290
3X95	37	2736	4440
3X120	40.4	3456	5470
3X150	45.5	4320	6930
3X185	49.8	5328	8350
3X240	55.1	6912	10400
3X300	60.2	8640	12600
3X400	66.6	11520	14600
4X1.5	13.3	58	365
4X2.5	15	96	438
4X4	16.4	154	532
4X6	18.7	230	764
4X10	21.1	384	1013
4X16	23.4	614	1360
4X25	26.1	960	2160
4X35	28.6	1344	2690
4X50	32	1920	3130
4X70	37.7	2688	4500
4X95	41.7	3648	5600
4X120	47.1	4608	7400
4X150	51.4	5760	8780
4X185	56.6	7104	10630
4X240	63	9216	13390
4X300	68.8	11520	16290
4X400	78.1	15360	19800
5X1.5	14.3	72	410
5X2.5	16.1	120	470
5X4	17.8	192	710
5X6	20	288	876
5X10	22.9	480	1165
5X16	26.6	768	1742
5X25	31.5	1200	2323
5X35	34.8	1680	2932
5X50	40.4	2400	4192
7X1.5	15.2	101	470
7X2.5	17.1	168	600

7X4	19.1	115	881
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<b>Number of cores &amp; Cross section mm<sup>2</sup></b>	<b>Nominal OD mm</b>	<b>Copper Index kg's per km</b>	<b>Weight Kg's per km</b>
12X1.5	19.4	173	780
12X2.5	22.4	288	1000
19X1.5	22.2	274	1000
19X2.5	26.6	456	1540
27X1.5	26.7	390	1500
27X2.5	30.7	648	1950
37X1.5	29	534	1800
37X2.5	33.8	888	2350