

BS5467 SWA/PVC Cable IEC 60502 600/1000V

Applications:	Power cable suitable for power networks, direct burial, outdoors, indoors and in cable ducts.
Conductors:	Plain annealed stranded copper
Insulation:	XLPE (Cross linked polyethylene)
Bedding:	PVC (Polyvinyl-Chloride)
Armour/Protection:	SWA (Galvanised Single wire armour)
Sheath/Jacket:	PVC (Polyvinyl-Chloride)
Colour:	Black
Voltage:	600/1000v
Operating temperature:	Maximum 90°C. Minimum bending 0°C
Minimum bending radius:	1.5 sq.mm – 16 sq.mm –6 x overall diameter (circular cond.) 25 sq.mm and above – 8 x overall diameter (shaped cond.)
Core identification:	Two Core – Brown, Blue Three Core – Brown, Black & Grey (Optional: Brown, Blue & Green/Yellow) Four Core – Brown, Black, Grey & Blue (Optional: Brown, Black, Grey & Green/Yellow) Five Core – Numbered Cores (Optional: Brown, Black, Grey, Blue + Green/Yellow) Six Core and Above – Numbered Cores (optional numbered + Green and Yellow)
Conductor stranding:	Class 2 stranded copper: 2 circular or circular compacted conductors 2* shaped or circular conductors or circular compacted conductors. 2S shaped conductors (Dimensions and weights based on circular)
Standard:	BS5467: Electric cables. Thermosetting insulated, armoured cables for voltages of 600/1000V and 1900/3300V IEC60502: Power cables with extruded insulation and their accessories for rated voltages from 1kV to 30kV Flame Propagation Test to BS EN 60332-1-2 for single cable Oil resistant to ASTM 1047
Note:	If you are considering installing in high UV exposure and/or high/low ambient temperatures i.e. desert/arctic conditions then special sheathing may be required



TWO CORE: REF 6942 XWP

Size Sq.mm	Class of conductor	Maximum diameter over conductor mm	RT of insulation	Diameter over core mm	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/type	Gland part no
1.5	2	1.59	0.6	3.0	0.8	7.7	0.9	9.6	12.3	300	55091	-	20S	88344
2.5	2	2.01	0.7	3.4	0.8	8.5	0.9	10.4	13.6	360	55092	-	20S	88344
4	2	2.55	0.7	4.0	0.8	9.7	0.9	11.6	14.7	420	55093	-	20S	88344
6	2	3.12	0.7	4.5	0.8	10.7	0.9	12.6	15.9	500	55098	-	20S	88344
10	2	4.05	0.7	5.5	0.8	12.7	0.9	14.6	18.0	650	55105	-	20	88345
16	2	5.10	0.7	6.5	0.8	14.5	1.25	17.0	20.0	910	55108	-	25	88346
25	2*	-	0.9	-	0.8	18.4	1.25	20.9	24.1	1060	56452	-	25	88346
35	2*	-	0.9	-	1.0	21.3	1.6	24.5	27.9	1480	56453	-	32	88283
50	2S	-	1.0	-	1.0	19.0	1.6	22.2	25.8	1800	56454	-	25	88346
70	2S	-	1.1	-	1.0	22.0	1.6	25.2	29.0	2300	56455	-	32	88283
95	2S	-	1.1	-	1.2	25.1	2.0	29.1	33.1	3170	56456	-	32	88283
120	2S	-	1.2	-	1.2	27.9	2.0	31.9	36.1	3800	56457	-	40	88284
150	2S	-	1.4	-	1.2	30.9	2.0	34.9	39.3	4500	56458	-	40	88284
185	2S	-	1.6	-	1.4	34.9	2.5	39.9	44.7	5800	56459	-	50S	88349
240	2S	-	1.7	-	1.4	39.0	2.5	44.0	59.0	7280	56460	-	50	88350
300	2S	-	1.8	-	1.6	43.3	2.5	48.3	53.5	8750	56461	-	50	88350
400	2S	-	2.0	-	1.6	48.4	2.5	53.4	59.0	10700	56462	-	63	88352

THREE CORE: REF 6943 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	0.8	8.2	0.9	10.1	12.8	341	55109	55245	20S	88344
2.5	2	0.8	9.1	0.9	11.0	14.1	405	55110	55227	20S	88344
4	2	0.8	10.4	0.9	12.3	15.3	495	55111	55229	20S	88344
6	2	0.8	11.5	0.9	13.4	16.6	600	55113	55210	20	88345
10	2	0.8	13.7	1.25	16.4	19.5	900	55115	55006	20	88345
16	2	0.8	15.5	1.25	18.0	21.2	1080	55116	55211	25	88346
25	2*	1.0	20.1	1.6	23.3	26.7	1750	56463	56682	25	88346
35	2*	1.0	22.8	1.6	26.0	29.6	2100	56464	-	32	88283
50	2S	1.0	21.7	1.6	24.9	28.5	2350	56465	-	32	88283
70	2S	1.0	25.2	1.6	28.4	32.2	3150	56466	-	32	88283
95	2S	1.2	28.8	2.0	32.8	37.0	4300	56467	56616	40	88284
120	2S	1.2	32.0	2.0	36.0	40.4	5250	56468	-	40	88284
150	2S	1.4	35.9	2.5	40.9	45.5	6720	56469	-	50S	88349
185	2S	1.4	40.0	2.5	45.0	49.8	8040	56470	-	50	88350
240	2S	1.4	44.9	2.5	49.9	55.1	10150	56471	-	63	88352
300	2S	1.6	49.8	2.5	54.8	60.2	12320	56472	-	63	88352
400	2S	1.6	55.4	2.5	60.6	66.6	15090	56473	-	75S	88354

FOUR CORE: REF 6944 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	0.8	9.0	0.9	10.9	13.5	390	55118	55247	20S	88344
2.5	2	0.8	10.0	0.9	11.9	15.0	465	55121	55249	20S	88344
4	2	0.8	11.5	0.9	13.4	16.4	579	55123	55240	20	88345
6	2	0.8	12.7	0.9	15.3	18.7	820	55124	55250	20	88345
10	2	0.8	15.1	1.25	17.6	21.1	1090	55126	55253	25	88346
16	2	0.8	17.2	1.25	19.7	22.9	1400	55129	55255	25	88346
25	2*	1.0	22.3	1.6	25.5	28.9	2100	56485	56653	32	88283
35	2*	1.0	25.3	1.6	28.5	32.1	2580	56486	56675	32	88283
50	2S	1.0	25.0	1.6	28.2	32.0	3000	56487	-	32	88283
70	2S	1.2	29.5	2.0	33.5	37.7	4300	56488	-	40	88284
95	2S	1.2	33.3	2.0	37.3	41.7	5510	56489	56676	50S	88349
120	2S	1.4	37.5	2.0	42.5	47.1	7150	56490	56651	50	88350
150	2S	1.4	41.6	2.5	46.6	51.4	8500	56491	56677	50	88350
185	2S	1.4	46.4	2.5	51.4	56.6	10300	56492	-	63	88352
240	2S	1.6	52.6	2.5	57.6	63.0	13000	56493	-	63	88352
300	2S	1.6	58.0	2.5	63.0	68.8	15750	56494	-	75S	88353
400	2S	1.8	64.8	3.15	71.3	78.1	20450	56495	-	75	88354

FIVE CORE: REF 6945 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	0.8	9.9	0.9	11.8	14.2	433	55043	55259	20S	88344
2.5	2	0.8	11.0	0.9	12.9	16.0	530	55049	55233	20S	88344
4	2	0.8	12.7	1.25	15.3	18.4	775	55513	55260	20	88345
6	2	0.8	14.0	1.25	16.6	19.7	929	55347	55293	20	88345
10	2	1.0	17.1	1.25	19.7	23.2	1300	55348	55133	25	88346
16	2	1.0	19.8	1.6	23.1	26.6	1880	55514	55320	25	88346
25	2	1.0	24.5	1.6	27.8	31.7	2670	56216	56652	32	88283
35	2	1.0	25.5	1.6	28.7	33.0	2800	56218	56654	32	88283
50	-	-	-	-	-	-	-	-	56367	-	-
70	-	-	-	-	-	-	-	-	-	56713	-
95	-	-	-	-	-	-	-	-	-	-	-

*95mm² and above are manufactured generally to BS5467

SIX CORE: REF 6946 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	0.8	10.9	0.9	12.8	15.2	497	-	-	20S	88344
2.5	2	0.8	12.1	0.9	14.0	17.1	609	-	-	20	88345
4	2	0.8	13.9	0.9	16.5	19.7	886	-	-	20	88345
6	2	0.8	15.4	1.25	18.0	21.3	1070	55516	-	20	88345
10	2	1.0	18.8	1.6	22.1	25.6	1650	55517	-	25	88346
16	2	1.0	21.8	1.6	25.1	28.8	2190	55518	-	32	88283
25	2	1.0	26.9	1.6	30.2	34.1	3090	-	-	40	88284

SEVEN CORE: REF 6947 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	0.8	10.9	0.9	12.8	15.2	506	55373	55242	20S	88344
2.5	2	0.8	12.1	0.9	14.0	17.1	618	55490	55297	20	88345
4	2	0.8	13.9	1.25	16.5	19.7	907	55484	-	20	88345
6	2	0.8	15.4	1.25	18.0	21.3	1110	55542	-	25	88346
10	2	1.0	18.8	1.25	22.1	25.6	1720	55532	-	25	88346
16	2	1.0	21.8	1.6	25.1	28.8	2300	55533	-	32	88283
25	2	1.0	30.2	1.6	34.3	38.6	3900	-	-	40	88284

EIGHT CORE: REF 6948 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	0.8	11.9	1.25	14.5	17.6	663	55381	-	20	88345
2.5	2	0.8	13.1	1.25	15.7	18.8	793	55025	-	20	88345
4	2	0.8	15.3	1.25	17.9	21.2	1030	55519	-	25	88346
6	2	1.0	17.3	1.6	20.6	24.1	1440	-	-	25	88346
10	2	1.0	20.7	1.6	24.0	27.7	1960	-	-	32	88283

TEN CORE: REF 694/10 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	0.8	13.9	1.25	16.5	19.8	812	55053	-	20	88345
2.5	2	0.8	15.5	1.25	18.1	21.4	989	55089	-	20	88345
4	2	1.0	18.3	1.6	21.6	25.1	1410	55044	-	25	88346
6	2	1.0	20.3	1.6	23.6	27.3	1680	55086	-	32	88283
10	2	1.0	24.3	1.6	27.6	31.5	2320	-	-	32	88283

TWELVE CORE: REF 694/12 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	0.8	14.3	1.25	16.9	19.4	854	55374	55294	25	88346
2.5	2	0.8	16.0	1.25	18.6	22.4	1080	55491	-	25	88346
4	2	1.0	18.9	1.6	22.2	27.7	1550	55534	-	32	88283
6	2	1.0	21.0	1.6	24.3	28.0	1920	55000	-	32	88283
10	2	1.0	25.1	1.6	28.4	32.3	2660	55241	-	32	88283

SIXTEEN CORE: REF 694/16 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	0.8	16.0	1.25	18.6	21.9	1020	55041	-	25	88346
2.5	2	0.8	18.2	1.6	21.5	25.0	1430	55080	-	25	88346
4	2	1.0	22.1	1.6	25.4	29.1	1950	55015	-	32	88283
6	2	1.0	23.4	1.6	26.7	30.4	2300	55007	-	32	88283

NINETEEN CORE: REF 694/19 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	1.0	17.3	1.25	19.9	23.2	1120	55382	-	25	88346
2.5	2	1.0	19.3	1.6	22.6	26.1	1570	55492	-	25	88346
4	2	1.0	22.3	1.6	25.6	29.3	2050	55004	-	32	88283

TWENTY TWO CORE: REF 694/22 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	1.0	20.3	1.6	23.6	27.3	1560	55045	-	32	88283
2.5	2	1.0	22.7	1.6	26.0	29.7	1930	-	-	32	88283
4	2	1.0	26.3	1.6	29.6	33.5	2530	-	-	40	88284

TWENTY SEVEN CORE: REF 694/27 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	1.0	20.7	1.6	24.0	27.9	1630	55383	-	32	88283
2.5	2	1.0	23.2	1.6	26.5	30.2	2050	55493	-	32	88283
4	2	1.0	26.9	1.6	30.2	34.4	2740	55024	-	40	88284

THIRTY CORE: REF 694/30 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	1.0	21.5	1.6	24.8	28.5	1730	55048	-	32	88283
2.5	2	1.0	24.1	1.6	27.4	31.3	2200	-	-	32	88283

THIRTY SEVEN CORE: REF 694/37

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	1.0	23.3	1.6	26.6	30.6	1970	55033	-	32	88283
2.5	2	1.0	26.1	1.6	29.4	33.8	2540	55030	-	32	88283
4	2	1.2	31.0	2.0	35.4	39.6	-	-	-	40	88284

FORTY CORE: REF 694/40

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	1.0	24.3	1.6	27.6	31.5	2080	-	-	32	88283
2.5	2	1.0	27.7	1.6	31.8	35.9	2970	-	-	40	88284

FORTY EIGHT CORE: REF 694/48 XWP

Size Sq. mm	Class of conductor	RT of bedding mm	Diameter over bedding mm	Diameter of armour wire mm	Diameter over armour mm	Approx overall diameter mm	Weight kg/km	BATT CABLES part no	BATT CABLES part no – Green and Yellow Core	BW Gland size/ type	Gland part no
1.5	2	1.0	26.7	1.6	30.0	33.9	2390	55384	-	40	88284
2.5	2	1.0	30.4	2.0	34.5	38.8	3430	55088	-	40	88284
4	2	1.2	36.0	2.0	39.6	44.6	-	-	-	50S	88349