



BS6724 SWA/LSZH Cable IEC 60502 600/1000V

Multicore core plain annealed copper conductor, XLPE insulated/LSZH extruded bedded /Steel wire armoured /LSZH sheathed 600/1000 volts grade to BS5467. Fire performance to IEC60754, flame propagation to IEC60332 and smoke emissions to BSEN6 1034-2

Applications: Power cable suitable for power networks, where fire emission of smoke and toxic fumes creates a serious potential threat.

Operating temperature: Maximum 90°C. Minimum bending 0°C

Minimum bending radius: 1.5 sq.mm – 16 sq.mm – 8 x overall diameter
25 sq.mm and above – 8 x overall diameter

Conductor 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)



TWO CORE: REF 6942 XWL

Size Sq.mm	Class of conductor	RT of insulation	Diameter over laid up cores 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	0.6	6.0	0.8	7.7	0.9	9.6	12.3	300	55131	-	20S	88344
2.5	2	0.7	6.8	0.8	8.5	0.9	10.4	13.6	360	55132	-	20S	88344
4	2	0.7	7.9	0.8	9.7	0.9	11.6	14.7	420	55134	-	20S	88344
6	2	0.7	9.1	0.8	10.7	0.9	12.6	15.9	500	55145	-	20S	88344
10	2	0.7	10.9	0.8	12.7	0.9	14.6	18.0	650	55147	-	20	88345
16	2	0.7	12.9	0.8	14.5	1.25	17.0	20.0	910	55149	-	25	88346
25	2*	0.9	16.8	0.8	18.4	1.25	20.9	24.1	1060	56428	-	25	88346
35	2*	0.9	19.3	1.0	21.3	1.6	24.5	27.9	1480	56429	-	32	88283
50	2S	1.0	17.0	1.0	19.0	1.6	22.2	25.8	1800	56430	-	25	88346
70	2S	1.1	20.0	1.0	22.0	1.6	25.2	29.0	2300	56431	-	32	88283
95	2S	1.1	22.7	1.2	25.1	2.0	29.1	33.1	3170	56432	-	32	88283
120	2S	1.2	25.5	1.2	27.9	2.0	31.9	36.1	3800	56433	-	40	88284
150	2S	1.4	28.5	1.2	30.9	2.0	34.9	39.3	4500	56434	-	40	88284
185	2S	1.6	32.1	1.4	34.9	2.5	39.9	44.7	5800	56435	-	50S	88349
240	2S	1.7	36.2	1.4	39.0	2.5	44.0	59.0	7280	56436	-	50	88350
300	2S	1.8	40.1	1.6	43.3	2.5	48.3	53.5	8750	56437	-	50	88350
400	2S	2.0	45.2	1.6	48.4	2.5	53.4	59.0	10700	56438	-	63	88352



THREE CORE: REF 6943 XWL

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	55151	55264	20S	88344
2.5	2	0.8	9.1	0.9	11.0	14.1	405	55154	55170	20S	88344
4	2	0.8	10.4	0.9	12.3	15.3	495	55155	55179	20S	88344
6	2	0.8	11.5	0.9	13.4	16.6	600	55159	55171	20	88345
10	2	0.8	13.7	1.25	16.4	19.5	900	55160	55291	20	88345
16	2	0.8	15.5	1.25	18.0	21.2	1080	55161	55372	25	88346
25	2*	1.0	20.1	1.6	23.3	26.7	1750	56474	-	25	88346
35	2*	1.0	22.8	1.6	26.0	29.6	2100	56475	56747	32	88283
50	2S	1.0	21.7	1.6	24.9	28.5	2350	56476	-	32	88283
70	2S	1.0	25.2	1.6	28.4	32.2	3150	56477	-	32	88283
95	2S	1.2	28.8	2.0	32.8	37.0	4300	56478	-	40	88284
120	2S	1.2	32.0	2.0	36.0	40.4	5250	56479	-	40	88284
150	2S	1.4	35.9	2.5	40.9	45.5	6720	56480	-	50S	88349
185	2S	1.4	40.0	2.5	45.0	49.8	8040	56481	-	50	88350
240	2S	1.4	44.9	2.5	49.9	55.1	10150	56482	-	63	88352
300	2S	1.6	49.8	2.5	54.8	60.2	12320	56483	-	63	88352
400	2S	1.6	55.4	2.5	60.6	66.6	15090	56484	-	75S	88354

FOUR CORE: REF 6944 XWL

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	55162	55321	20S	88344
2.5	2	0.8	10.0	0.9	11.9	15.0	465	55175	55322	20S	88344
4	2	0.8	11.5	0.9	13.4	16.4	579	55193	55327	20	88345
6	2	0.8	12.7	0.9	15.3	18.7	820	55194	55333	20	88345
10	2	0.8	15.1	1.25	17.6	21.1	1090	55195	55334	25	88346
16	2	0.8	17.2	1.25	19.7	22.9	1400	55196	55277	25	88346
25	2*	1.0	22.3	1.6	25.5	28.9	2100	56496	-	32	88283
35	2*	1.0	25.3	1.6	28.5	32.1	2580	56497	-	32	88283
50	2S	1.0	25.0	1.6	28.2	32.0	3000	56498	-	32	88283
70	2S	1.2	29.5	2.0	33.5	37.7	4300	56499	-	40	88284
95	2S	1.2	33.3	2.0	37.3	41.7	5510	56500	-	50S	88349
120	2S	1.4	37.5	2.0	42.5	47.1	7150	5640	-	50	88350
150	2S	1.4	41.6	2.5	46.6	51.4	8500	56502	-	50	88350
185	2S	1.4	46.4	2.5	51.4	56.6	10300	56503	-	63	88352
240	2S	1.6	52.6	2.5	57.6	63.0	13000	56504	-	63	88352
300	2S	1.6	58.0	2.5	63.0	68.8	15750	56505	-	75S	88353
400	2S	1.8	64.8	3.15	71.3	78.1	20450	56506	-	75	88354



FIVE CORE: REF 6945 XWL

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	55158	55274	20S	88344
2.5	2	0.8	11.0	0.9	12.9	16.0	530	55507	55278	20S	88344
4	2	0.8	12.7	1.25	15.3	18.4	775	55509	55275	20	88345
6	2	0.8	14.0	1.25	16.6	19.7	929	55512	55318	20	88345
10	2	1.0	17.1	1.25	19.7	23.2	1300	55478	55319	25	88346
16	2	1.0	19.8	1.6	23.1	26.6	1880	55203	55339	25	88346
25	2	1.0	24.5	1.6	27.8	31.7	2670	56214	56674	32	88283
35	-	-	-	-	-	-	-	56219	56695	-	-
50	-	-	-	-	-	-	-	56352	56696	-	-
70	-	-	-	-	-	-	-	56403	56697	-	-
95	-	-	-	-	-	-	-	56561	-	-	-
120	-	-	-	-	-	-	-	56404	-	-	-
150	-	-	-	-	-	-	-	56386	-	-	-
185	-	-	-	-	-	-	-	56617	-	-	-
240	-	-	-	-	-	-	-	56618	-	-	-

SIX CORE: REF 6946 XWL

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	-	-	20	88345
10	2	1.0	18.8	1.6	22.1	25.6	1650	-	-	25	88346
16	2	1.0	21.8	1.6	25.1	28.8	2190	-	-	32	88283
25	2	1.0	26.9	1.6	30.2	34.1	3090	-	-	40	88284

SEVEN CORE: REF 6947 XWL

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	55157	-	20S	88344
2.5	2	0.8	12.1	0.9	14.0	17.1	618	55364	-	20	88345
4	2	0.8	13.9	1.25	16.5	19.7	907	55510	-	20	88345
6	2	0.8	15.4	1.25	18.0	21.3	1110	55052	-	25	88346
10	2	1.0	18.8	1.25	22.1	25.6	1720	55137	-	25	88346
16	2	1.0	21.8	1.6	25.1	28.8	2300	55167	-	32	88283

EIGHT CORE: REF 6948 XWL

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
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TEN CORE: REF 694/10 XWL

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	55208	-	20	88345
2.5	2	0.8	15.5	1.25	18.1	21.4	989	-	-	25	88346
4	2	1.0	18.3	1.6	21.6	25.1	1410	-	-	25	88346
6	2	1.0	20.3	1.6	23.6	27.3	1680	-	-	32	88283

TWELVE CORE: REF 694/12 XWL

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	55166	55356	25	88346
2.5	2	0.8	16.0	1.25	18.6	22.4	1080	55352	-	25	88346
4	2	1.0	18.9	1.6	22.2	27.7	1550	55511	-	25	88346
6	2	1.0	21.0	1.6	24.3	28.0	1920	-	-	32	88283

SIXTEEN CORE: REF 694/16 XWL

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	-	-	25	88346
2.5	2	0.8	18.2	1.6	21.5	25.0	1430	-	-	25	88346
4	2	1.0	22.1	1.6	25.4	29.1	1950	-	-	32	88283
6	2	1.0	23.4	1.6	26.7	30.4	2300	-	-	32	88283

NINETEEN CORE: REF 694/19 XWL

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	55451	-	25	88346
2.5	2	1.0	19.3	1.6	22.6	26.1	1570	55363	-	25	88346
4	2	1.0	22.3	1.6	25.6	29.3	2050	55051	-	32	88283

TWENTY TWO CORE: REF 694/22 XWL

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	-	-	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 XWL

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	-	-	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



1.5	2	1.0	20.7	1.6	24.0	27.9	1630	55504	-	32	88283
2.5	2	1.0	23.2	1.6	26.5	30.2	2050	55353	-	32	88283
4	2	1.0	26.9	1.6	30.2	34.4	2740	55231	-	40	88284

THIRTY CORE: REF 694/30 XWL

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	-	-	32	88283
2.5	2	1.0	24.1	1.6	27.4	31.3	2200	-	-	32	88283

THIRTY SEVEN CORE: REF 694/37 XWL

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	55505	-	32	88283
2.5	2	1.0	26.1	1.6	29.4	33.8	2540	55355	-	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	55506	-	40	88284
2.5	2	1.0	30.4	2.0	34.5	38.8	3430	55508	-	40	88284