



## LOW SMOKE SWA ARMoured CABLE

BS 6724

55 orderable sizes

STANDARD <b>BS 6724</b>	VOLTAGE CLASS <b>0.6/1 kV</b>	CONDUCTOR <b>Copper or aluminium conductor</b>
INSULATION / JACKET <b>LSZH outer sheath</b>		

### Construction

- 1 ■ Conductor (per core) – Copper conductor · 7 × Ø0.85 mm · IEC 60228 cl.2
- 2 ■ Core insulation – XLPE
- 3 ■ Filler – PP filler
- 4 ■ Bedding – PVC bedding
- 5 ■ Armour – Galvanised steel wire armour (SWA)
- 6 ■ Sheath – LSZH outer sheath

### Size selection — all available cross-sections

Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 1.5 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	1.5 mm <sup>2</sup>	Copper conductor	Steel wire armour	12.1 Ω/km	25 mm	0.78 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 2.5 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	2.5 mm <sup>2</sup>	Copper conductor	Steel wire armour	7.41 Ω/km	26 mm	0.80 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 4 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	4 mm <sup>2</sup>	Copper conductor	Steel wire armour	4.61 Ω/km	27 mm	0.84 kg/m

Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 6 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	6 mm <sup>2</sup>	Copper conductor	Steel wire armour	3.08 Ω/km	28 mm	0.88 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 10 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	10 mm <sup>2</sup>	Copper conductor	Steel wire armour	1.83 Ω/km	30 mm	0.97 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 16 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	16 mm <sup>2</sup>	Copper conductor	Steel wire armour	1.15 Ω/km	31 mm	1.10 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 25 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	25 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.727 Ω/km	34 mm	1.30 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 35 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	35 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.524 Ω/km	36 mm	1.52 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 50 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	50 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.387 Ω/km	38 mm	1.85 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 70 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	70 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.268 Ω/km	41 mm	2.29 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 95 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	95 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.193 Ω/km	44 mm	2.84 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 120 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	120 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.153 Ω/km	47 mm	3.39 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 150 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	150 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.124 Ω/km	50 mm	4.05 kg/m

Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 185 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	185 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.0991 Ω/km	53 mm	4.82 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Copper 240 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	240 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.0754 Ω/km	57 mm	6.03 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 1.5 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	1.5 mm <sup>2</sup>	Copper conductor	Steel wire armour	12.1 Ω/km	28 mm	0.80 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 2.5 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	2.5 mm <sup>2</sup>	Copper conductor	Steel wire armour	7.41 Ω/km	28 mm	0.83 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 4 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	4 mm <sup>2</sup>	Copper conductor	Steel wire armour	4.61 Ω/km	29 mm	0.88 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 6 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	6 mm <sup>2</sup>	Copper conductor	Steel wire armour	3.08 Ω/km	30 mm	0.95 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 10 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	10 mm <sup>2</sup>	Copper conductor	Steel wire armour	1.83 Ω/km	32 mm	1.08 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 16 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	16 mm <sup>2</sup>	Copper conductor	Steel wire armour	1.15 Ω/km	34 mm	1.28 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 25 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	25 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.727 Ω/km	36 mm	1.57 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 35 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	35 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.524 Ω/km	38 mm	1.91 kg/m

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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 50 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	50 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.387 Ω/km	40 mm	2.40 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 70 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	70 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.268 Ω/km	43 mm	3.06 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 95 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	95 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.193 Ω/km	46 mm	3.88 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 120 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	120 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.153 Ω/km	49 mm	4.71 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 150 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	150 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.124 Ω/km	52 mm	5.70 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 185 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	185 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.0991 Ω/km	55 mm	6.85 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Copper 240 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	240 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.0754 Ω/km	59 mm	8.67 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 4C Copper 1.5 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	4C	1.5 mm <sup>2</sup>	Copper conductor	Steel wire armour	12.1 Ω/km	30 mm	0.82 kg/m
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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 4C Copper 4 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	4C	4 mm <sup>2</sup>	Copper conductor	Steel wire armour	4.61 Ω/km	32 mm	0.93 kg/m

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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 4C Copper 10 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	4C	10 mm <sup>2</sup>	Copper conductor	Steel wire armour	1.83 Ω/km	34 mm	1.19 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 4C Copper 16 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	4C	16 mm <sup>2</sup>	Copper conductor	Steel wire armour	1.15 Ω/km	36 mm	1.45 kg/m
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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 4C Copper 240 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	4C	240 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.0754 Ω/km	61 mm	11.31 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Copper 1.5 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	1.5 mm <sup>2</sup>	Copper conductor	Steel wire armour	12.1 Ω/km	32 mm	0.83 kg/m
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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Copper 6 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	6 mm <sup>2</sup>	Copper conductor	Steel wire armour	3.08 Ω/km	35 mm	1.08 kg/m
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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Copper 16 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	16 mm <sup>2</sup>	Copper conductor	Steel wire armour	1.15 Ω/km	38 mm	1.63 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Copper 25 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	25 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.727 Ω/km	41 mm	2.13 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Copper 35 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	35 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.524 Ω/km	43 mm	2.67 kg/m

Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Copper 50 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	50 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.387 Ω/km	45 mm	3.50 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Copper 70 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	70 mm <sup>2</sup>	Copper conductor	Steel wire armour	0.268 Ω/km	48 mm	4.60 kg/m
Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 16 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	16 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	1.91 Ω/km	31 mm	0.89 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 25 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	25 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	1.20 Ω/km	34 mm	0.97 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 35 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	35 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.868 Ω/km	36 mm	1.06 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 50 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	50 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.641 Ω/km	38 mm	1.20 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 70 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	70 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.443 Ω/km	41 mm	1.38 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 95 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	95 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.320 Ω/km	44 mm	1.60 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 120 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	120 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.253 Ω/km	47 mm	1.83 kg/m

Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 150 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	150 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.206 Ω/km	50 mm	2.10 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 185 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	185 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.164 Ω/km	53 mm	2.42 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 2C Aluminium 240 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	2C	240 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.125 Ω/km	57 mm	2.91 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Aluminium 16 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	16 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	1.91 Ω/km	34 mm	0.97 kg/m
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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Aluminium 50 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	50 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.641 Ω/km	40 mm	1.42 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Aluminium 70 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	70 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.443 Ω/km	43 mm	1.69 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Aluminium 95 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	95 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.320 Ω/km	46 mm	2.03 kg/m

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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Aluminium 120 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	120 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.253 Ω/km	49 mm	2.37 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Aluminium 150 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	150 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.206 Ω/km	52 mm	2.77 kg/m
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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 3C Aluminium 240 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	3C	240 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.125 Ω/km	59 mm	3.99 kg/m
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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 4C Aluminium 50 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	4C	50 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.641 Ω/km	43 mm	1.65 kg/m
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BS 6724 XLPE/SWA/LSZH 0.6/1 kV 4C Aluminium 185 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	4C	185 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.164 Ω/km	57 mm	4.08 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 4C Aluminium 240 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	4C	240 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.125 Ω/km	61 mm	5.07 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Aluminium 16 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	16 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	1.91 Ω/km	38 mm	1.11 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Aluminium 25 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	25 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	1.20 Ω/km	41 mm	1.31 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Aluminium 35 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	35 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.868 Ω/km	43 mm	1.54 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Aluminium 50 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	50 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.641 Ω/km	45 mm	1.88 kg/m

Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Aluminium 70 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	70 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.443 Ω/km	48 mm	2.33 kg/m
BS 6724 XLPE/SWA/LSZH 0.6/1 kV 5C Aluminium 95 mm <sup>2</sup> Steel wire armour LSZH outer sheath	0.6/1 kV	5C	95 mm <sup>2</sup>	Aluminium conductor	Steel wire armour	0.320 Ω/km	51 mm	2.89 kg/m

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