



LOW SMOKE ARMoured CABLE

BS 6724

55 orderable sizes

STANDARD BS 6724	VOLTAGE CLASS 0.6/1 kV	CONDUCTOR Plain copper or aluminium conductor
INSULATION / JACKET LSZH		

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

Size selection — all available cross-sections

Cable reference	Core layout	Conductor size	Conductor	Max DC resistance at 20 °C	OD guide
BS 6724 XLPE/SWA/LSZH 2C Copper 1.5 mm ² LSZH	2C	1.5 mm ²	Copper conductor	12.1 Ω/km	22 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 2.5 mm ² LSZH	2C	2.5 mm ²	Copper conductor	7.41 Ω/km	23 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 4 mm ² LSZH	2C	4 mm ²	Copper conductor	4.61 Ω/km	24 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 6 mm ² LSZH	2C	6 mm ²	Copper conductor	3.08 Ω/km	25 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 10 mm ² LSZH	2C	10 mm ²	Copper conductor	1.83 Ω/km	27 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 16 mm ² LSZH	2C	16 mm ²	Copper conductor	1.15 Ω/km	28 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 25 mm ² LSZH	2C	25 mm ²	Copper conductor	0.727 Ω/km	31 mm

Cable reference	Core layout	Conductor size	Conductor	Max DC resistance at 20 °C	OD guide
BS 6724 XLPE/SWA/LSZH 2C Copper 35 mm ² LSZH	2C	35 mm ²	Copper conductor	0.524 Ω/km	33 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 50 mm ² LSZH	2C	50 mm ²	Copper conductor	0.387 Ω/km	35 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 70 mm ² LSZH	2C	70 mm ²	Copper conductor	0.268 Ω/km	38 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 95 mm ² LSZH	2C	95 mm ²	Copper conductor	0.193 Ω/km	41 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 120 mm ² LSZH	2C	120 mm ²	Copper conductor	0.153 Ω/km	44 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 150 mm ² LSZH	2C	150 mm ²	Copper conductor	0.124 Ω/km	47 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 185 mm ² LSZH	2C	185 mm ²	Copper conductor	0.0991 Ω/km	50 mm
BS 6724 XLPE/SWA/LSZH 2C Copper 240 mm ² LSZH	2C	240 mm ²	Copper conductor	0.0754 Ω/km	54 mm
BS 6724 XLPE/SWA/LSZH 3C Copper 1.5 mm ² LSZH	3C	1.5 mm ²	Copper conductor	12.1 Ω/km	25 mm
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BS 6724 XLPE/SWA/LSZH 3C Copper 70 mm ² LSZH	3C	70 mm ²	Copper conductor	0.268 Ω/km	40 mm
BS 6724 XLPE/SWA/LSZH 3C Copper 95 mm ² LSZH	3C	95 mm ²	Copper conductor	0.193 Ω/km	43 mm
BS 6724 XLPE/SWA/LSZH 3C Copper 120 mm ² LSZH	3C	120 mm ²	Copper conductor	0.153 Ω/km	46 mm
BS 6724 XLPE/SWA/LSZH 3C Copper 150 mm ² LSZH	3C	150 mm ²	Copper conductor	0.124 Ω/km	49 mm

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BS 6724 XLPE/SWA/LSZH 4C Copper 240 mm ² LSZH	4C	240 mm ²	Copper conductor	0.0754 Ω/km	58 mm
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BS 6724 XLPE/SWA/LSZH 5C Copper 35 mm ² LSZH	5C	35 mm ²	Copper conductor	0.524 Ω/km	40 mm
BS 6724 XLPE/SWA/LSZH 5C Copper 50 mm ² LSZH	5C	50 mm ²	Copper conductor	0.387 Ω/km	42 mm
BS 6724 XLPE/SWA/LSZH 5C Copper 70 mm ² LSZH	5C	70 mm ²	Copper conductor	0.268 Ω/km	45 mm

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BS 6724 XLPE/SWA/LSZH 2C Aluminium 25 mm ² LSZH	2C	25 mm ²	Aluminium conductor	1.20 Ω/km	31 mm
BS 6724 XLPE/SWA/LSZH 2C Aluminium 35 mm ² LSZH	2C	35 mm ²	Aluminium conductor	0.868 Ω/km	33 mm
BS 6724 XLPE/SWA/LSZH 2C Aluminium 50 mm ² LSZH	2C	50 mm ²	Aluminium conductor	0.641 Ω/km	35 mm
BS 6724 XLPE/SWA/LSZH 2C Aluminium 70 mm ² LSZH	2C	70 mm ²	Aluminium conductor	0.443 Ω/km	38 mm
BS 6724 XLPE/SWA/LSZH 2C Aluminium 95 mm ² LSZH	2C	95 mm ²	Aluminium conductor	0.320 Ω/km	41 mm
BS 6724 XLPE/SWA/LSZH 2C Aluminium 120 mm ² LSZH	2C	120 mm ²	Aluminium conductor	0.253 Ω/km	44 mm
BS 6724 XLPE/SWA/LSZH 2C Aluminium 150 mm ² LSZH	2C	150 mm ²	Aluminium conductor	0.206 Ω/km	47 mm
BS 6724 XLPE/SWA/LSZH 2C Aluminium 185 mm ² LSZH	2C	185 mm ²	Aluminium conductor	0.164 Ω/km	50 mm
BS 6724 XLPE/SWA/LSZH 2C Aluminium 240 mm ² LSZH	2C	240 mm ²	Aluminium conductor	0.125 Ω/km	54 mm
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BS 6724 XLPE/SWA/LSZH 3C Aluminium 50 mm ² LSZH	3C	50 mm ²	Aluminium conductor	0.641 Ω/km	37 mm

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