



**BS6724 AWA LSZH Cable IEC 60502 600/1000V**  
**XLPE/LSZH/AWA/LSZH (COPPER) BS6724 & IEC60502**

Single core plain annealed copper conductor to IEC60228, XLPE insulated to IEC60502/LSZH extruded bedded to IEC60502 / Aluminium wire armoured to IEC60502/LSZH sheathed to IEC60502 600/1000 volts grade to BS6724. Fire performance to IEC60754, flame propagation to IEC60332 and smoke emissions to BSEN61034-

- Applications:** Power cable suitable for power networks, where fire and emissions of smoke and toxic fumes create a serious potential threat.
- Conductor stranding:** Class 2 – stranded circular or circular compacted
- Operating temperature** Maximum 90°C
- Conductor identification:** Brown
- Minimum bending radius:** 10 x Overall diameter (wherever possible, larger installation radi should be used)
- Combustion characteristics:** Oxygen index: 35 (Temperature index 280°C)  
 HCL emission 0.5% in accordance with BSEN50267-1 common test methods for cables under fire conditions. Tests on gases evolved during combustion of materials from cables. Procedures, determination of the amount of halogen acid gas.  
 For current rating refer to Table 4E4A

Size sq.mm	Max diameter over conductor mm	RT of insulation mm	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 Part No.
50	8.90	1.0	10.9	0.8	12.6	0.9	14.5	17.5	708	56415
70	10.70	1.0	12.9	14.6	14.6	1.25	17.1	20.2	970	56416
95	12.60	1.1	14.8	16.4	16.4	1.25	19.0	22.3	1240	56417
120	14.21	1.2	16.7	18.4	18.4	1.25	21.0	24.2	1510	56418
150	15.75	1.4	18.6	20.7	20.7	1.6	24.0	27.4	1930	56419
185	17.64	1.6	20.9	23.0	23.0	1.6	26.3	30.0	2330	56420
240	20.25	1.7	23.8	25.9	25.9	1.6	29.2	32.8	2900	56421
300	22.68	1.8	26.4	28.5	28.5	1.6	31.8	35.6	3530	56422
400	25.65	2.0	29.8	32.3	32.3	2.0	36.4	40.4	4690	56423
500	28.80	2.2	33.3	35.8	35.8	2.0	39.9	44.2	5740	56424
630	32.76	2.4	37.7	40.2	40.2	2.0	44.3	48.8	7150	56425
800	37.05	2.6	42.4	45.3	45.3	2.5	50.4	55.4	9300	56426
1000	41.60	2.8	47.3	50.2	50.2	2.5	55.3	60.6	11500	56427

Gland Selection Table					
Size sq.mm	Gland type/size	BATT Part No.	Size sq.mm	Gland type/size	BATT Part No.
50	CWA 20	88469	300	CWA 40	88391
70	CWA 25	88389	400	CWA 50S	88393
95	CWA 25	88389	500	CWA 50S	88393
120	CWA 25	88389	630	CWA 50S	88393
150	CWA 32	88697	800	CWA 63S	88395
185	CWA 32	88697	1000	CWA 63	88396
240	CWA 40	88391			

