

## XLPE/LSF/SWA/LSF (COPPER) BS6724

Plain annealed copper conductor, XLPE insulated/LSF extruded bedded/Steel Wire armoured/LSF sheathed. 600/1000 volts grade to BS6724 (where applicable).

### 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
1.5	2	0.6	6.0	0.8	7.7	0.9	9.6	12.3	300
2.5	2	0.7	6.8	0.8	8.5	0.9	10.4	13.6	360
4	2	0.7	7.9	0.8	9.7	0.9	11.6	14.7	420
6	2	0.7	9.1	0.8	10.7	0.9	12.6	15.9	500
10	2	0.7	10.9	0.8	12.7	0.9	14.6	18.0	650
16	2	0.7	12.9	0.8	14.5	1.25	17.0	20.0	910
25	2*	0.9	16.8	0.8	18.4	1.25	20.9	24.1	1060
35	2*	0.9	19.3	1.0	21.3	1.6	24.5	27.9	1480
50	2S	1.0	17.0	1.0	19.0	1.6	22.2	25.8	1800
70	2S	1.1	20.0	1.0	22.0	1.6	25.2	29.0	2300
95	2S	1.1	22.7	1.2	25.1	2.0	29.1	33.1	3170
120	2S	1.2	25.5	1.2	27.9	2.0	31.9	36.1	3800
150	2S	1.4	28.5	1.2	30.9	2.0	34.9	39.3	4500
185	2S	1.6	32.1	1.4	34.9	2.5	39.9	44.7	5800
240	2S	1.7	36.2	1.4	39.0	2.5	44.0	49.0	7280
300	2S	1.8	40.1	1.6	43.3	2.5	48.3	53.5	8750
400	2S	2.0	45.2	1.6	48.4	2.5	53.4	59.0	10700

**Conductor stranding:** Class 2 - stranded circular or circular compacted.

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

**Conductor identification:** Black

**Minimum bending radius:** 6 x overall diameter

#### Combustion Characteristics:

Oxygen index: 35% (Temperature index 280°C).

HCL emission 0.5% in accordance with BS6425 part 1

Low smoke classification based on 3 metre cube test.

Completed cables comply with the requirements of fire test BS4066 Part



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