

## BS 6195 COIL LEADS

### Coil Lead Flexible 85 C HOFR.

Flexible tinned annealed copper conductors, Composite Ethylene Propylene Rubber - Chlorosulphonated Polyethylene (EPR-CSP) insulation, to BS 6195 / 69 Type 4 (where applicable).

Voltage category and general grade :  
 'A' - 300/500  
 'C' - 600/1000  
 'D' - 1900/3300  
 'E' - 3800/6600  
 'F' - 6350/11000

Conductor			Radial Thickness of Insulation					Maximum Overall Diameter					
Nominal Area	Nominal Number and Dia of Wires	Maximum Dia of Wires	Approximate Dia of Conductor	Voltage Category					Voltage Category				
mmsq	mm	mm	mm	A	C	D	E	F	A	C	D	E	F
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
0.22	7/0.20	0.21	0.60	0.8					3.0				
0.50	16/0.20	0.21	0.93	0.8	1.4				3.3	4.5			
0.75	24/0.20	0.21	1.14	0.8	1.4				3.5	4.7			
1.0	32/0.20	0.21	1.32	0.8	1.4				3.7	4.9			
1.5	30/0.25	0.26	1.60	0.8	1.1				4.0	5.2			
2.5	50/0.25	0.26	2.00	0.9	1.4	2.8			4.6	5.6	8.5		
4.0	56/0.30	0.31	2.60	1.0	1.4				5.4	6.3			
6.0	84/0.30	0.31	3.60	1.0	1.5				6.5	7.5			
10.0	80/0.40	0.41	4.60	1.2	1.5				7.9	8.5			
16.0	126/0.40	0.41	5.70		1.5	2.8	5.0	7.6		9.6	12.4	17.2	22.9
25.0	196/0.40	0.41	7.10		1.6	2.8	5.0	7.6		11.4	13.8	18.6	24.1
35.0	276/0.40	0.41	8.50		1.6	2.8	5.0	7.6		12.8	15.2	20.0	25.5
50.0	396/0.40	0.41	10.3		1.7	2.8	5.0	7.6		14.8	17.1	22.1	27.3
70.0	360/0.50	0.51	12.4		1.8	2.8	5.0	7.6		17.2	19.2	24.2	29.4
95.0	475/0.50	0.51	14.5		2.0	3.0	5.0	7.6		19.7	22.0	26.3	31.5
120.0	608/0.50	0.51	16.0		2.2	3.0	5.0	7.6		21.9	23.5	27.8	33.3
150.0	756/0.50	0.51	18.0		2.3	3.0	5.0	7.6		24.1	25.5	29.8	35.3
185.0	925/0.50	0.51	20.0		2.4	3.0	5.0	7.6		26.3	27.5	32.1	37.3
240.0	1221/0.50	0.61	23.0		2.4	3.0	5.0	7.6		29.3	30.5	35.1	40.3
300.0	1525/0.50	0.51	26.0		2.6	3.0				33.0	33.8		
400.0	2013/0.50	0.51	30.0		2.8	3.0				37.4	37.8		

Operating temperature : Maximum 90 C. Minimum flexing -20 C.

Standard Colours : 0.5sqmm to 10.0sqmm - Red or Black.  
 16.0sqmm to 400.0sqmm - Black.

HOFR : Heat and Oil resistant, Flame Retardant.

**N.B. The minimum bending radius for a 1x 400.0mm Type 4E is 390mm**