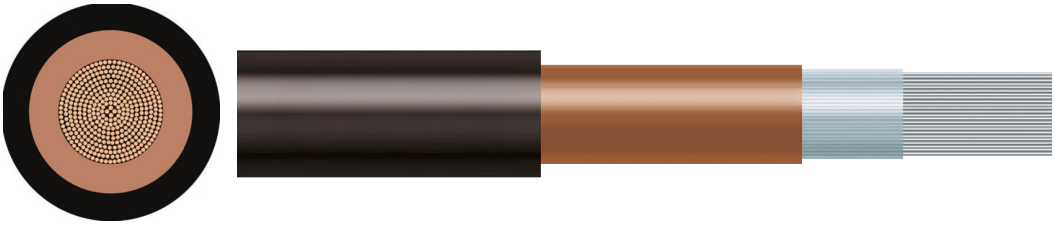
COIL END LEAD CABLE BS6195



Coil End Leads, conforming to BS6195 standards, feature flexible tinned copper conductors with Ethylene Propylene Rubber (EPR) insulation, offering heat, oil, and flame resistance (HOFR). Ideal for electrical machinery and panel wiring, they provide a flexible, direct connection to coil windings in various equipment like motors, transformers, and circuit breakers. Their HOFR sheath prevents lubricant penetration, making them suitable for environments requiring oil resistance. Additionally, these cables find applications in the railway industry as an anode cable.

CONDUCTOR	Tinned Copper
STRANDING	Class 5
INSULATION	EPR
OUTERSHEATH	CSP
OUTERSHEATH COLOUR	Black
MINIMUM BENDING RADIUS	Fixed: 4 x overall diameter / Flexed: 6 x overall diameter
OPERATING TEMPERATURE	Maximum 90°C, Minimum bending -30°C
STANDARDS	BS6195 Type 4 (Where applicable) flexible cables, insulated, for coil leads

SPECIFICATION DATA

BATT Part No	Cable Type	Voltage rating (kv)	No of cores	Nominal cross sectional area of conductor (mm2)	Nominal thickness of insulation (mm)	Approx overall diameter (mm)	Weight (kg/km)
23009	4A	300/500	1	0.75	0.8	3.5	16
23015	4A	300/500	1	1	0.8	3.7	19
23021	4A	300/500	1	1.5	0.8	4	29
23028	4A	300/500	1	2.5	0.9	4.6	42
23034	4A	300/500	1	4	1	5.4	61
23037	4A	300/500	1	6	1	6.5	88
23041	4A	300/500	1	10	1.2	7.9	141
23022	4C	0.6/1	1	1.5	1.4	4.3	34
23003	4C	0.6/1	1	2.5	1.4	4.8	45
23035	4C	0.6/1	1	4	1.4	5.4	70
23038	4C	0.6/1	1	6	1.5	6.2	97
23043	4C	0.6/1	1	10	1.5	8.5	130
23045	4C	0.6/1	1	16	1.5	9.6	190
23049	4C	0.6/1	1	25	1.6	11.4	290
23052	4C	0.6/1	1	35	1.6	12.8	380
23057	4C	0.6/1	1	50	1.7	14.8	510
23064	4C	0.6/1	1	70	1.8	17.2	750
23070	4C	0.6/1	1	95	2	19.7	935
23073	4C	0.6/1	1	120	2.2	21.9	1160
23080	4C	0.6/1	1	150	2.3	24.1	1450
23083	4C	0.6/1	1	185	2.4	26.3	1770
23084	4C	0.6/1	1	240	2.4	28.3	2260
23001	4C	0.6/1	1	300	2.6	33	2760
23030	4C	0.6/1	1	400	2.8	37.4	3880
23032	4D	1.9/3.3	1	2.5	2.8	8.5	100
23046	4D	1.9/3.3	1	16	2.8	12.4	288
23050	4D	1.9/3.3	1	25	2.8	13.8	392
23053	4D	1.9/3.3	1	35	2.8	15.2	509
23058	4D	1.9/3.3	1	50	2.8	17.1	682
23065	4D	1.9/3.3	1	70	2.8	19.2	894
23074	4D	1.9/3.3	1	120	5	27.8	1634
23039	4D	1.9/3.3	1	240	3	30.6	2657
23029	4D	1.9/3.3	1	400	3	37.8	4229
23044	4E	3.8/6.6	1	16	5	17.2	408
23059	4E	3.8/6.6	1	50	5	22.1	832
23047	4F	6.35/11	1	16	7.6	22.9	255
23060	4F	6.35/11	1	50	7.6	27.3	1114
23068	4F	6.35/11	1	70	7.6	29.4	1344
23012	4F	6.35/11	1	95	7.6	31.5	1610

ELECTRICAL CHARACTERISTICS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

Nominal cross sectional area (mm2)	Maximum diameter of wires in conductor (mm)	Maximum resistance of conductor at 20ºC (ohms/km) - Metal Coated Wires
0.75		
1.5	0.26	13.7

2.5	0.26	8.21
4	0.31	5.09
6	0.31	3.39
10	0.41	1.95
16	0.41	1.24
25	0.41	0.795
35	0.41	0.565
50	0.41	0.393
70	0.51	0.277
95	0.51	0.210
120	0.51	0.164
150	0.51	0.132
185	0.51	0.108
240	0.51	0.0817
300	0.51	0.0654
400	0.51	0.0495