

Coil End Lead Cable BS6195

Cable Application

Primarily designed for use as power leads for connection to coil winding motors. Coil end lead cable can also be used as panel wiring, especially in areas where resistance to heat and oil is required. The HOFR sheath is oil and varnish resistant. It is also used as an alternative to tri-rated and bi-rated cable in certain applications.

Technical Information

Conductor:	Class 5 - flexible tinned annealed copper conductors to IEC 60228
Insulation:	EPR-CSP (Composite Ethylene Propylene Rubber/Chlorosulphonated Polyethylene)
Sheath:	CPE (Chlorinated Polyethylene) rubber compound
Sheath Colour:	Black
Separator:	PET Tape
Voltage Rating:	A: 300/500 • C: 600/1000 • D: 1900/3300 • E: 3800/6600 • F: 6350/11000
Temperature Rating:	-20°C to +90°C
Minimum Bending Radius:	4 x Ø
Standards:	BS6195 Type 4

Conductor		Insulation radial thickness					Maximum overall diameter					Weight kg/km				
Size mm ²	Class	Voltage category (mm)					Voltage category (mm)					Voltage category				
		A	B	C	D	E	A	C	D	E	F	A	C	D	E	F
0.5	5	0.8	1.4	-	-	-	3.3	4.5	-	-	-	12	17	-	-	-
0.75	5	0.8	1.4	-	-	-	3.5	4.7	-	-	-	16	21	-	-	-
1.0	5	0.8	1.4	-	-	-	3.7	4.9	-	-	-	19	24	-	-	-
1.5	5	0.8	1.4	-	-	-	4.0	5.2	-	-	-	25	30	-	-	-
2.5	5	0.9	1.4	2.8	-	-	4.6	5.6	8.5	-	-	37	41	76	-	-
4	5	1.0	1.4	-	-	-	5.4	6.3	-	-	-	57	66	-	-	-
6	5	1.0	1.5	-	-	-	6.5	7.5	-	-	-	80	93	-	-	-
10	5	1.2	1.5	-	-	-	7.9	8.5	-	-	-	130	136	-	-	-
16	5	-	1.5	2.8	5.0	7.6	-	9.6	12.4	17.2	22.9	-	206	255	384	566
25	5	-	1.6	2.8	5.0	7.6	-	11.4	13.8	18.6	24.1	-	300	351	495	680
35	5	-	1.6	2.8	5.0	7.6	-	12.8	15.2	20.0	25.5	-	406	458	613	810
50	5	-	1.7	2.8	5.0	7.6	-	14.8	17.1	22.1	27.3	-	573	616	796	997
70	5	-	1.8	2.8	5.0	7.6	-	17.2	19.2	24.2	29.4	-	793	820	1,020	1,237
95	5	-	2.0	3.0	5.0	7.6	-	19.7	22.0	26.3	31.5	-	1,028	1,097	1,287	1,520
120	5	-	2.2	3.0	5.0	7.6	-	21.9	23.5	27.8	33.3	-	1,285	1,340	1,542	1,804
150	5	-	2.3	3.0	5.0	7.6	-	24.1	25.5	29.8	35.3	-	1,562	1,635	1,853	2,131
185	5	-	2.4	3.0	5.0	7.6	-	26.3	27.5	32.1	37.3	-	1,914	1,973	2,225	2,503
240	5	-	2.4	3.0	5.0	7.6	-	28.3	30.6	35.1	40.3	-	2,431	2,504	2,782	3,081
300	5	-	2.6	3.0	-	-	-	33.0	33.8	-	-	-	30,24	3,098	-	-
400	5	-	2.8	3.0	-	-	-	37.4	37.8	-	-	-	3948	4,045	-	-
4	10.1	1.2	-	-	-	-	12.7	-	-	-	-	0.3	-	-	-	-
6	11.4	1.2	-	-	-	-	13.9	-	-	-	-	0.3	-	-	-	-
10	14.2	1.3	-	-	-	-	17.2	-	-	-	-	0.3	-	-	-	-

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		A	B	C	D	E	A	C	D	E	F	A	C	D	E	F
16	16.4	1.4	-	-	-	-	19.5	-	-	-	-	0.3	-	-	-	-
25	20.8	1.6	-	-	-	-	24.4	-	-	-	-	0.3	-	-	-	-
35	22.8	1.7	-	-	-	-	26.5	-	-	-	-	0.45	-	-	-	-
50	26.2	1.8	-	-	-	-	30.3	-	-	-	-	0.45	-	-	-	-
70	30.1	2.0	-	-	-	-	34.7	-	-	-	-	0.45	-	-	-	-
95	34.8	2.2	-	-	-	-	39.7	-	-	-	-	0.45	-	-	-	-
120	38.5	2.3	-	-	-	-	43.8	-	-	-	-	0.45	-	-	-	-
150	42.8	2.5	-	-	-	-	48.4	-	-	-	-	0.45	-	-	-	-
185	47.5	2.7	-	-	-	-	53.9	-	-	-	-	0.45	-	-	-	-
240	54.0	2.9	-	-	-	-	61.1	-	-	-	-	0.45	-	-	-	-
300	60.2	3.2	-	-	-	-	67.6	-	-	-	-	0.45	-	-	-	-