

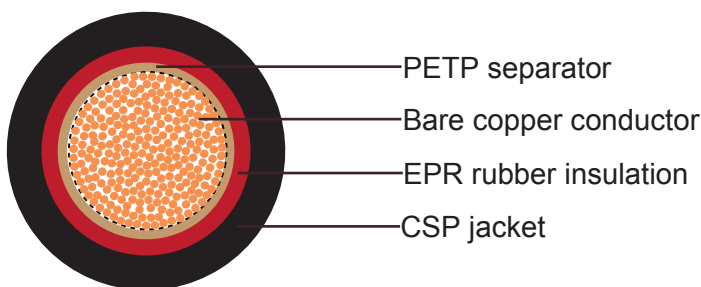


Coil End Lead Cable to BS 6195

Application and Description

These cables are designed as power leads for permanent connection to coil winding motors, panel wiring and electrical machinery. They are able to withstand high temperature and immersion in varnish. Other applications include vehicle wiring, The HOFR sheath resists oil and varnish and the stranding is designed as a compromise between flexibility and positional stability. Also they are suitable for use as an alternative to tri-rated and bi-rated cable in certain applications.

Cable Construction



- Fine bare copper strands
- Stranding to BS 6360 CL-5 or IEC 60228 CL-5
- PETP(Polyethylene Terephthalate) tape separator
- EPR-HOFR(Ethylene Propylene Rubber-Heat and Oil Resistant and Flame Retardant) insulation, type FR1 (for type 4A & 4C) & type FR2 (for type 4D & 4E&4F) to BS 7655-1.5, type EI2 (for type 5) to EN 50363-1
- CSP(Chlorosulphonated Polyethylene), HOFR (Heat and Oil Resistant and Flame Retardant) sheath to BS 6899, black

Technical Characteristics

- Working voltage: Type A: 300/500V
 Type C: 600/1000V
 Type D: 1900/3300V
 Type E: 3800/6600V
 Type F: 6350/11000V
- Minimum bending radius: 4xOverall diameter
- Operating temperature max. : +90° C(for type 4), +180° C(for type 5)



Cable Parameter

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
TYPE A				
18(24/32)	1x0.75	0.8	3.5	16
17(32/32)	1x1	0.8	3.7	19
16(30/30)	1x1.5	0.8	4	25
14(50/30)	1x2.5	0.9	4.6	37
12(56/28)	1x4	1	5.4	57
10(84/28)	1x6	1	6.5	80
8(80/26)	1x10	1.2	7.9	130
TYPE C				
20(16/32)	1x0.5	1.4	4.5	17
18(24/32)	1x0.75	1.4	4.7	21
17(32/32)	1x1	1.4	4.9	24
16(30/30)	1x1.5	1.4	5.2	30
14(50/30)	1x2.5	1.4	5.6	41
12(56/28)	1x4	1.4	6.3	66
10(84/28)	1x6	1.5	7.5	93
8(80/26)	1x10	1.5	8.5	136
6(128/26)	1x16	1.5	9.6	206
4(200/26)	1x25	1.6	11.4	300
2(280/26)	1x35	1.6	12.8	406
1(400/26)	1x50	1.7	14.8	573
2/0(356/24)	1x70	1.8	17.2	793
3/0(485/24)	1x95	2	19.7	1028
4/0(614/24)	1x120	2.2	21.9	1285
300 MCM (765/24)	1x150	2.3	24.1	1562
350 MCM (944/24)	1x185	2.4	26.3	1914
500MCM(1225/24)	1x240	2.4	28.3	2431
(1525/24)	1x300	2.6	33	3024
(2013/24)	1x400	2.8	37.4	3948
TYPE D				
6(128/26)	1x16	2.8	12.4	255
4(200/26)	1x25	2.8	13.8	351
2(280/26)	1x35	2.8	15.2	458



Industrial Cables to British Standard

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
1(400/26)	1x50	2.8	17.1	616
2/0(356/24)	1x70	2.8	19.2	820
3/0(485/24)	1x95	3	22	1097
4/0(614/24)	1x120	3	23.5	1340
300 MCM (765/24)	1x150	3	25.5	1635
350 MCM (944/24)	1x185	3	27.5	1973
500MCM(1225/24)	1x240	3	30.6	2504
(1525/24)	1x300	3	33.8	3098
(2013/24)	1x400	3	37.8	4045
TYPE E				
6(128/26)	1x16	5	17.2	384
4(200/26)	1x25	5	18.6	495
2(280/26)	1x35	5	20	613
1(400/26)	1x50	5	22.1	796
2/0(356/24)	1x70	5	24.2	1020
3/0(485/24)	1x95	5	26.3	1287
4/0(614/24)	1x120	5	27.8	1542
300 MCM (765/24)	1x150	5	29.8	1853
350 MCM (944/24)	1x185	5	32.1	2225
500MCM(1225/24)	1x240	5	35.1	2782
TYPE F				
6(128/26)	1x16	7.6	22.9	566
4(200/26)	1x25	7.6	24.1	680
2(280/26)	1x35	7.6	25.5	810
1(400/26)	1x50	7.6	27.3	997
2/0(356/24)	1x70	7.6	29.4	1237
3/0(485/24)	1x95	7.6	31.5	1520
4/0(614/24)	1x120	7.6	33.3	1804
300 MCM (765/24)	1x150	7.6	35.3	2131
350 MCM (944/24)	1x185	7.6	37.3	2503
500MCM(1225/24)	1x240	7.6	40.3	3081