



## TECHNICAL DATA SHEET

### BS6195 Coil End Lead

**Manufacturing Standard**                      **BS 6195**

**Flame Propagation**                              **BS EN/IEC 60332-1-2**

**Construction**

- Class 5 Annealed Flexible Copper Conductor to BS EN60228
- Composite EPR/CSP Insulation

**Sheath Colour**                      Black

**Bend Radius**                      3 x O/D for Fixed Applications. 6 x O/D for flexing applications

**Operating Temp**                      -15°C to +90°C

#### **BS6195 Type 4A – 300/500 Volt**

Rubber insulated, flame retardant, flexible cables for use as coil end leads that are connected directly and permanently to a coil winding or other component of electrical apparatus. Suitable for use where the maximum voltage between conductors or between conductors and earth to which the cable is liable to be subjected during a 1 minute test of equipment to which it is connected does not exceed 2.5kV

Cross Sectional Area of Conductor	Current Rating			Conductor Resistance @ 20°C	Nominal Overall Diameter	Nominal Weight
	Single Cable	2 Cables Bunched	3 Cables Bunched			
	Amps	Amps	Amps	Ω/Km	mm	Kg/Km
1 x 0.50	16	13	10.5	40.1	2.6	11
1 x 0.75	20	16.5	13	26.7	2.7	13
1 x 1.0	24	19.5	15.5	20	3	17
1 x 1.5	30	24	19.5	13.7	3.1	20
1 x 2.5	40	34	27	8.21	3.7	31
1 x 4.0	54	46	38	5.09	4.7	51
1 x 6.0	72	61	51	3.39	5.8	80
1 x 10	100	87	72	1.95	7.1	134



A Ducab Company

## BS6195 Type 4C – 600/1000 Volt

Rubber insulated, flame retardant, flexible cables for use as coil end leads that are connected directly and permanently to a coil winding or other component of electrical apparatus.

Suitable for use where the maximum voltage between conductors or between conductors and earth to which the cable is liable to be subjected during a 1 minute test of equipment to which it is connected does not exceed 4.0kV

Cross Sectional Area of Conductor	Current Rating			Conductor Resistance @ 20°C Ω/Km	Nominal Overall Diameter mm	Nominal Weight Kg/Km
	Single Cable	2 Cables Bunched	3 Cables Bunched			
	Amps	Amps	Amps			
1 x 0.50	16	13	10.5	40.1	3.9	21
1 x 0.75	20	16.5	13	26.7	4.1	24
1 x 1.0	24	19.5	15.5	20	4.3	28
1 x 1.5	30	24	19.5	13.7	4.5	33
1 x 2.5	40	34	27	8.21	4.7	40
1 x 4.0	54	46	38	5.09	5.5	62
1 x 6.0	72	61	51	3.39	6.8	90
1 x 10	100	87	72	1.95	7.8	135
1 x 16	135	118	99	1.24	8.9	195
1 x 25	179	158	133	0.795	10.5	313
1 x 35	225	198	168	0.565	12.1	395
1 x 50	283	250	214	0.393	13.9	552
1 x 70	354	314	271	0.277	16.2	775
1 x 95	425	378	328	0.210	18.7	1028
1 x 120	501	446	388	0.164	20.6	1281
1 x 150	578	515	449	0.132	22.9	1585
1 x 185	659	587	514	0.108	25.1	1959
1 x 240	795	705	618	0.082	28.1	2529
1 x 300	923	813	713	0.065	30.3	3084

## BS6195 Type 4D – 1900/3300 Volt

Rubber insulated, flame retardant, flexible cables for use as coil end leads that are connected directly and permanently to a coil winding or other component of electrical apparatus.

Suitable for use where the maximum voltage between conductors or between conductors and earth to which the cable is liable to be subjected during a 1 minute test of equipment to which it is connected does not exceed 9.5kV

Cross Sectional Area of Conductor	Current Rating			Conductor Resistance @ 20°C	Nominal Overall Diameter	Nominal Weight
	Single Cable	2 Cables Bunched	3 Cables Bunched			
	Amps	Amps	Amps	Ω/Km	mm	Kg/Km
1 x 2.5	40	34	27	8.21	7.8	83
1 x 4.0	54	46	38	5.09	8.8	116
1 x 6.0	72	61	51	3.39	9.6	144
1 x 10	100	87	72	1.95	10.5	207
1 x 16	135	118	99	1.24	11.6	269
1 x 25	179	158	133	0.795	12.9	375
1 x 35	225	198	168	0.565	14.6	472
1 x 50	283	250	214	0.393	16.1	640
1 x 70	354	314	271	0.277	18.3	860
1 x 95	425	378	328	0.210	20.1	1126
1 x 120	501	446	388	0.164	21.9	1373
1 x 150	578	515	449	0.132	23.7	1647
1 x 185	659	587	514	0.108	26.3	2022
1 x 240	795	705	618	0.082	28.5	2560
1 x 300	923	813	713	0.065	32.3	3218
1 x 400	1120	977	857	0.050	35.5	4130