Conductor, Lead sheath, Armour resistance, and percentage conductivity of 2,3 and 4 core cables complying with EEMUA133 600/1000 Volts grade.

Resistance Values

Nominal area of conductor mm²	Maximum resistance (ohms) per 1000 metres of cable at 20°C						
	Copper conductor	Two core		Three core		Four core	
		Lead	Armour	Lead	Armour	Lead	Armour
1.5	12.1	8.3	7.1	8.3	6.7	7.1	6.3
2.5	7.28	7.3	6.5	7.1	6.1	6.2	5.7
4	4.61	6.5	5.8	6.2	5.5	5.5	5.2
6	3.08	5.8	5.4	5.4	5.1	4.9	3.4
10	1.83	4.9	4.8	4.5	3.2	4.1	2.9
16	1.15	4.1	2.9	3.8	2.7	3.2	2.5
25	0.727	3.1	2.5	2.5	1.8	2.4	1.6
35	0.524	2.5	1.7	1.9	1.6	1.9	1.4
50	0.387	3.1	1.9	2.0	1.6	2.0	1.5
70	0.268	2.5	1.7	1.5	1.4	1.6	1.0
95	0.193	2.1	1.2	1.1	1.0	1.3	0.91
120	0.153	1.7	1.1	0.90	0.93	1.1	0.66
150	0.124	1.4	0.98	0.71	0.66	0.91	0.59
185	0.0991	1.2	0.70	0.57	0.60	0.77	0.54
240	0.0754	1.0	0.61	0.41	0.54	0.42	0.48
300	0.0601	0.86	0.56	0.33	0.49	0.54	0.44
400	0.0470	0.69	0.50	0.25	0.44	0.42	0.31

Maximum Lead sheath and armour conductivity expressed as a percentage (%) of one phase conductor.

Nominal area of conductor mm²	Two Core Lead sheath %	Two Core Armour %	Three core Lead sheath %	Three core Armour %	Four core Lead sheath %	Four core Armour %
1.5	146	170	146	181	170	192
2.5	100	112	103	119	117	128
4	71	79	74	84	84	89
6	53	57	57	60	63	91
10	37	38	41	57	45	63
16	28	40	30	43	36	46
25	23	29	29	40	30	45
35	21	31	28	33	28	37
50	12	20	19	24	19	26
70	11	16	18	19	17	27
95	9	16	18	19	15	21
120	9	14	17	16	14	23
150	9	13	17	19	14	21
185	8	14	17	17	13	18
240	7	12	18	14	18	16
300	7	11	18	12	11	14
400	6	9	19	11	11	15