

SECTION E

CONDUCTORS

**Class I & II
Lightning Protection Conductors**

Bonding Conductors

Grounding Conductors

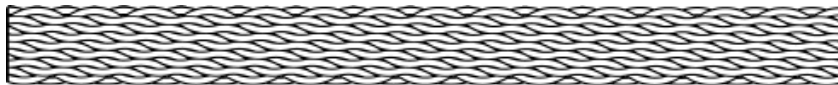
Copper Strap

Strike Counter



ALLTEC[®]
CORPORATION

Lightning Protection Conductor



32S

32 Strand 17 Gauge Class I Copper Cable

Approximate weight per 1,000 feet 215 pounds (97.5 kg/304.8 m).

Diameter 15/32"; No. 2 size; 65,600 circular mils.

32L

32 Strand 17 Gauge Class I Lead Coated Copper Cable

Approximate weight per 1,000 feet 250 pounds (113.4 kg/304.8 m).

Diameter 15/32"; No. 2 size; 65,600 circular mils.

Lead coated copper conductor cable is used on chimneys and other locations where resistance to corrosion is necessary.

22

14 Strand 17 Gauge Miniature Copper Cable

Approximate weight per 1,000 feet 90 pounds (40.8 kg/304.8 m).

Diameter 1/4"; No.6 size; 28,500 circular mils.

40

28 Strand .066 Gauge Class II Copper Cable

Approximate weight per 1,000 feet 375 pounds (170.1 kg/304.8 m).

Diameter 1/2"; No. 1/0 size; 122,000 circular mils.

40L

28 Strand .066 Gauge Class II Lead Coated Copper Cable

Approximate weight per 1,000 feet 405 pounds (183.7 kg/304.8 m).

Diameter 1/2"; No. 1/0 size; 122,000 circular mils.

Lead coated copper conductor cable is used on chimneys and other locations where resistance to corrosion is necessary.

A28

28 Strand 14 Gauge Class I Aluminum Cable

Approximate weight per 1,000 feet 130 pounds (58.9 kg/304.8 m).

Diameter 5/8"; No.1/0 size; 115,080 circular mils.

A30

37 Strand .0756 gauge Class II Aluminum Cable

Approximate weight per 1,000 feet 200 pounds (90.7 kg/304.8 m).

Diameter 9/16"; No.4/0 size; 211,600 circular mils.

AG4

10 Strand 14 Gauge Miniature Aluminum Cable

Approximate weight per 1,000 feet 39 pounds. (17.7 kg/304.8m)

Diameter 5/16"; Size No. 4; 43,000 circular mils.

Grounding Conductors

STRANDED - Soft Drawn Copper

Catalog #	Size	Strands	CM Area	Lbs./Mft.
8-7	No. 8 AWG	7	16,510	51
6-7	No. 6 AWG	7	26,240	81
6-7-T	No. 6 AWG	7	26,240	81
4-7	No. 4 AWG	7	41,740	129
2-7	No. 2 AWG	7	66,360	205
2-7-T	No. 2 AWG	7	66,360	205
1/0-7	1/0 AWG	7	105,600	326
1/0-19	1/0 AWG	19	105,600	326
1/0-19-T	1/0 AWG	19	105,600	326
2/0-7	2/0 AWG	7	133,100	411
2/0-19	2/0 AWG	19	133,100	411
2/0-19-T	2/0 AWG	19	133,100	411
3/0-7	3/0 AWG	7	167,800	518
3/0-19	3/0 AWG	19	167,800	518
3/0-19-T	3/0 AWG	19	167,800	518
4/0-7	4/0 AWG	7	211,600	653
4/0-19	4/0 AWG	19	211,600	653
4/0-19-T	4/0 AWG	19	211,600	653
250 MCM	250 MCM	37	250,000	772
300 MCM	300 MCM	37	300,000	927
350 MCM	350 MCM	37	350,000	1081
400 MCM	400 MCM	37	400,000	1235
500 MCM	500 MCM	37	500,000	1544
750 MCM	750 MCM	61	750,000	2316
1000 MCM	1000 MCM	61	1,000,000	3088

SOLID - Soft Drawn Copper

Catalog #	Size	Strands	CM Area	Lbs./Mft.
2	No. 2 AWG	0.257	66,360	201
2-T	No. 2 AWG	0.257	66,360	201
4	No. 4 AWG	0.204	41,470	126
4-T	No. 4 AWG	0.204	41,470	126
6	No. 6 AWG	0.162	26,240	80
6-T	No. 6 AWG	0.162	26,240	80
8	No. 8 AWG	0.128	16,510	50
10	No. 10 AWG	0.101	10,380	31.4
12	No. 12 AWG	0.081	6,530	19.8
14	No. 14 AWG	0.064	4,110	12.4

Flat Copper Strap Conductors

All Copper Strap is sold in 100' rolls

Part #	Width	Thick	GA.	Length	Weight/Roll
CS1016	5/8"	.064"	14	100'	15.4 (6.9 kg)
CS1018	5/8"	.125"	8	100'	30.2 (13.7 kg)
CS1114	1"	.032"	20	100'	12.4 (5.6 kg)
CS1116	1"	.064"	14	100'	24.8 (11.2 kg)
CS1118	1"	.125"	8	100'	48.3 (21.9 kg)
CS1212	2"	.016"	26	100'	12.4 (5.6 kg)
CS1214	2"	.032"	20	100'	24.8 (11.2 kg)
CS1216	2"	.064"	14	100'	49.6 (22.5 kg)
CS1412	4"	.016"	26	100'	24.8 (11.2 kg)
CS1414	4"	.032"	20	100'	49.6 (22.5 kg)
CS1612	6"	.016"	26	100'	37.1 (16.8 kg)

Other custom sizes available by special order.

Lightning Strike Counter

ASC-6X

Counter displays the number of lightning strikes that have hit a system. The counter is for use on tower legs or other down conductors such as cables. It connects to two points on the conductor, spaced at least 8 feet apart, using #14 or larger wire (not included). Features include weather proof enclosure, internal protection, and six digit readout. Mounts to any flat surface. The Strike Counter ASC-6X is for outdoor use.

WT 4.0 oz (113.4 g)

