

Covered Line Wire -AAC Conductor

Code Word	Size AWG Kcmil	Wires	Covered Thickness		Approx Cable Overall Diameter	
			inch	mm	inch	mm
Apple	6	1	0.03	0.76	0.22	5.69
Plum	6	7	0.03	0.76	0.24	6.05
Pear	4	1	0.03	0.76	0.27	6.76
Apricot	4	7	0.03	0.76	0.28	7.21
Cherry	2	1	0.045	1.14	0.35	8.89
Peach	2	7	0.045	1.14	0.37	9.45
Nectarine	1	7	0.045	1.14	0.41	10.34
Quince	1/0	7	0.06	1.52	0.48	12.09
Orange	2/0	7	0.06	1.52	0.52	13.23
Fig	3/0	7	0.06	1.52	0.57	14.45
Olive	4/0	7	0.06	1.52	0.63	15.9
Mulberry	266.8	19	0.06	1.52	0.69	17.63
Silverbelt	266.8	19	0.08	2.03	0.73	18.62
Anona	336.4	19	0.06	1.52	0.76	19.41
Crabapple	336.4	19	0.08	2.03	0.8	20.42
Chinquapin	350	19	0.06	1.52	0.78	19.76
Ginkgo	350	19	0.08	2.03	0.82	20.78
Molles	397.5	19	0.08	2.03	0.86	21.84
Ash	400	19	0.08	2.03	0.86	21.89
Huckleberry	477	37	0.08	2.03	0.93	23.62
Paw Paw	556.5	37	0.08	2.03	0.99	25.17
Breadfruit	636	61	0.095	2.41	1.08	27.43
Persimmon	795	61	0.095	2.41	1.19	30.1
Grapefruit	1033.5	61	0.095	2.41	1.33	33.66
Mango	1590	61	0.11	2.79	1.63	41.38

Code Word	Approx Weight						Rated Strength	
	AAC Conductor		Total					
			PE		XLPE			
	Lbs / 1000f	kg/km	Lbs / 1000f	kg/km	Lbs / 1000f	kg/km	lbs	kN
Apple	24.6	36.61	33.4	49.7	33.4	49.7	440	1.96
Plum	24.6	36.61	33.8	50.3	33.8	50.3	505	2.25
Pear	39.1	58.18	50.3	74.85	50.3	74.85	710	3.16
Apricot	39.1	58.18	50.9	75.74	50.9	75.74	795	3.54
Cherry	62.2	92.56	83.2	123.81	83.2	123.81	1105	4.92
Peach	62.2	92.56	83.9	124.85	83.9	124.85	1215	5.41
Nectarine	78.4	116.67	104	154.76	104	154.76	1475	6.56
Quince	99	147.32	133.5	198.66	133.5	198.66	1790	7.96
Orange	124.8	185.71	163.5	243.3	163.5	243.3	2260	10.06
Fig	157.3	234.08	200.6	298.51	200.6	298.51	2735	12.17
Olive	198.3	295.09	247	367.56	247	367.56	3445	15.33
Mulberry	250	372.03	304	452.38	304	452.38	4475	19.91
Silverbelt	250	372.03	322	479.17	322	479.17	4475	19.91
Anona	315	468.75	375	558.04	375	558.04	5535	24.63
Crabapple	315	468.75	395	587.8	395	587.8	5535	24.63
Chinquapin	328	488.1	389	578.87	389	578.87	5750	25.58
Ginkgo	328	488.1	410	610.12	410	610.12	5750	25.58
Molles	373	555.06	459	683.04	459	683.04	6400	28.47
Ash	375	558.04	462	687.5	462	687.5	6440	28.65
Huckleberry	447	665.18	543	808.04	543	808.04	7820	34.79
Paw Paw	522	776.79	625	930.06	625	930.06	8950	39.82
Breadfruit	596	886.91	724	1077.38	724	1077.38	10200	45.38
Persimmon	745	1108.63	888	1321.43	888	1321.43	12900	57.39
Grapefruit	969	1441.97	1132	1684.53	1132	1684.53	16400	72.97
Mango	1490	2217.27	1726	2568.46	1726	2568.46	24300	108.12

Covered Line Wire-ACSR Conductor

Code Word	Size AWG Kcmil	Wires	Covered Thickness		Approx Cable Overall Diameter	
			inch	mm	inch	mm
Walnut	6	6/1	0.03	0.76	0.25	6.4
Butternut	4	6/1	0.03	0.76	0.3	7.7
Hickory	4	7/1	0.03	0.76	0.31	7.85
Pignut	2	6/1	0.045	1.14	0.4	10.06
Almond	1/0	6/1	0.06	1.52	0.51	12.83
Pecan	2/0	6/1	0.06	1.52	0.55	14.05
Filbert	3/0	6/1	0.06	1.52	0.61	15.39
Buckeye	4/0	6/1	0.06	1.52	0.67	16.89
Hackberry	266.8	18/1	0.06	1.52	0.71	18.03
Redbud	266.8	18/1	0.08	2.03	0.75	19.05
Mockernut	336.4	18/1	0.06	1.52	0.78	19.89
Aspen	336.4	18/1	0.08	2.03	0.82	20.9

Code Word	Approx Weight						Rated Strength	
	ACSR Conductor		Total					
			PE		XLPE			
	Lbs / 1000f	kg/km	Lbs / 1000f	kg/km	Lbs / 1000f	kg/km	lbs	kN
Walnut	24.5	36.46	46.5	69.2	46.5	69.2	1130	5.03
Butternut	38.9	57.89	70.7	105.21	70.7	105.21	1765	7.85
Hickory	38.9	57.89	81.1	120.68	81.1	120.68	2240	9.97
Pignut	61.9	92.11	116	172.62	116	172.62	2710	12.06
Almond	98.5	146.58	183	272.32	183	272.32	4160	18.51
Pecan	124.1	184.67	225	334.82	225	334.82	5035	22.4
Filbert	156.5	232.89	279	415.18	279	415.18	6290	27.99
Buckeye	197.4	293.75	345	513.39	345	513.39	7935	35.3
Hackberry	250	372.03	344	511.91	344	511.91	6540	29.1
Redbud	250	372.03	363	540.18	363	540.18	6540	29.1
Mockernut	315	468.75	427	635.42	427	635.42	8245	36.68
Aspen	315	468.75	447	665.18	447	665.18	8245	36.68

Covered Line Wire-AAAC Conductor

Code Word	Size AWG Kcmil	Wires	Covered Thickness		Approx Cable Overall Diameter	
			inch	mm	inch	mm
Maple	6	7	0.03	0.76	0.31	5.03
Hornbeam	4	7	0.03	0.76	0.31	7.87
Linden	2	7	0.045	1.14	0.41	10.31
Oilnut	1/0	7	0.06	1.52	0.52	13.16
Waterash	2/0	7	0.06	1.52	0.57	14.4
Shellbark	3/0	7	0.06	1.52	0.62	15.8
Planetree	4/0	7	0.06	1.52	0.68	17.35

Code Word	Approx Weight						Rated Strength	
	AAAC Conductor		Total					
			PE		XLPE			
	Lbs / 1000f	kg/km	Lbs / 1000f	kg/km	Lbs / 1000f	kg/km		
Maple	28.5	42.41	40	59.53	41	61.01	1109	4.93
Hornbeam	45.4	67.56	60.1	89.43	62.1	92.41	1480	6.58
Linden	72.2	107.44	93.3	138.84	96.1	143.01	2520	11.21
Oilnut	114.90	170.99	160	238.1	166.1	247.17	4010	17.84
Waterash	144.9	215.63	196.4	292.26	203.3	302.53	4850	21.58
Shellbark	182.51	271.59	241.4	359.23	249.4	371.13	6110	27.18
Planetree	230.21	342.57	298.1	443.6	307.3	457.29	7700	34.26