



Contact Us:

E-mail: info@qingzhou-cable.com

Phone/Whatsapp/WeChat: +86 18625503172

www.qingzhou-cable.com

America Standard Covered Line Wire

ANSI ICEA S-70-547



APPLICATION

Used primarily for, but not limited to, overhead secondary distribution lines. Installed on insulators, otherwise treated as a bare conductor.

CONSTRUCTION

Aluminum alloy 1350-H19, 6201, or ACSR conductors, concentrically stranded. Covered with polyethylene or cross-linked polyethylene (XLP).

Code Name	Size	No. of wires	Insulation Thickness (mm)	Overall Diameter (mm)	Rated Strength (kg)	Nominal Weight (kg/km)				Allowable Ampacity + A
	AWG or kcmil					Aluminum	LDPE	HDPE	XLPE	
AAC										
Plum	6	7	0.762	6.198	255	36.61	50.66	51.27	51.27	100
Apricot	4	7	0.762	7.239	400	58.19	75.57	76.33	76.33	135
Peach	2	7	1.143	9.703	612	92.56	126.09	127.55	127.55	180
Nectarine	1	7	1.143	11.481	789	116.67	167.31	169.52	169.52	210
Quince	1/0	7	1.524	12.395	903	147.48	203.7	206.14	206.14	240
Haw	1/0	19	1.524	12.522	980	147.48	204.49	206.96	206.96	240
Orange	2/0	7	1.524	14.834	1139	186.02	257.9	261.02	261.02	280
Ironwood	2/0	19	1.524	13.691	1211	186.02	250.41	253.21	253.21	280
Fig	3/0	7	1.524	16.307	1377	233.64	315.53	319.08	319.08	320
Lemon	3/0	19	1.524	14.986	1501	233.64	306.53	309.7	309.7	320
Olive	4/0	7	1.524	16.307	1728	296.14	378.04	381.58	381.58	370
Pomegranate	4/0	19	1.524	16.459	1823	296.14	379.09	382.69	382.69	370



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Sassalras	250	19	1.524	17.628	2043	348.68	439.88	443.84	443.84	420
Mulberry	266.8	19	1.524	17.653	2182	372.19	463.59	467.55	467.55	430
Basswood	300	19	1.524	18.999	2404	419.66	520.91	525.3	525.3	478
Anona	336.4	19	1.524	19.964	2697	469.51	578.04	582.75	582.75	495
Chinquapin	350	19	1.524	20.269	2790	488.12	598.98	603.79	603.79	525
Molles	397.5	19	2.032	22.454	3123	555.08	707.29	713.88	713.88	550
Sumac	450	37	2.032	23.673	3719	628	791.79	798.89	798.89	600
Huckleberry	477	37	2.032	24.257	3810	665.21	834.63	841.98	841.98	610
ACSR										
Walnut	6	6-1	0.762	6.553	540	36.64	69.94	71.43	71.43	105
Butternut	4	6-1	0.762	7.874	844	58.04	107.15	107.15	107.15	135
Hickory	4	7-1	0.762	8.052	1070	58.04	120.54	122.03	122.03	135
Pignut	2	6-1	1.143	10.312	1293	92.27	175.6	177.09	177.09	180
Beech	2	7-1	1.143	10.643	1651	92.27	199.41	199.41	199.41	180
Chestnut	1	6-1	1.143	11.303	1610	116.37	17.27	218.76	218.76	210
Almond	1/0	6-1	1.524	13.157	1987	146.73	282.75	284.24	284.24	235
Pecan	2/0	6-1	1.524	14.402	2404	184.98	348.23	349.72	349.72	290
Filbert	3/0	6-1	1.524	15.799	3003	233.34	430.08	433.05	433.05	305
Buckeye	4/0	6-1	1.524	17.348	3787	394.21	531.27	535.74	535.74	345
Hackberry	266.8	1-18	1.524	18.517	3121	372.63	525.32	528.3	528.3	356
AAAC										
Maple	6	7	0.762	6.553	503	42.41	59.53	61.01	61.01	78



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Hornbeam	4	7	0.762	7.874	798	67.56	89.29	90.78	90.78	145
Linden	2	7	1.143	10.312	1270	107.44	147.33	147.33	147.33	190
Oilnut	1/0	7	1.524	11.887	2023	170.99	238.11	247.03	247.03	250
Waterash	2/0	7	1.524	14.402	2445	215.63	291.68	302.01	302.01	290
Shellbark	3/0	7	1.524	15.799	3080	271.59	358.65	370.55	370.55	335
Planetree	4/0	7	1.524	17.348	3883	342.57	443.47	456.86	456.86	385