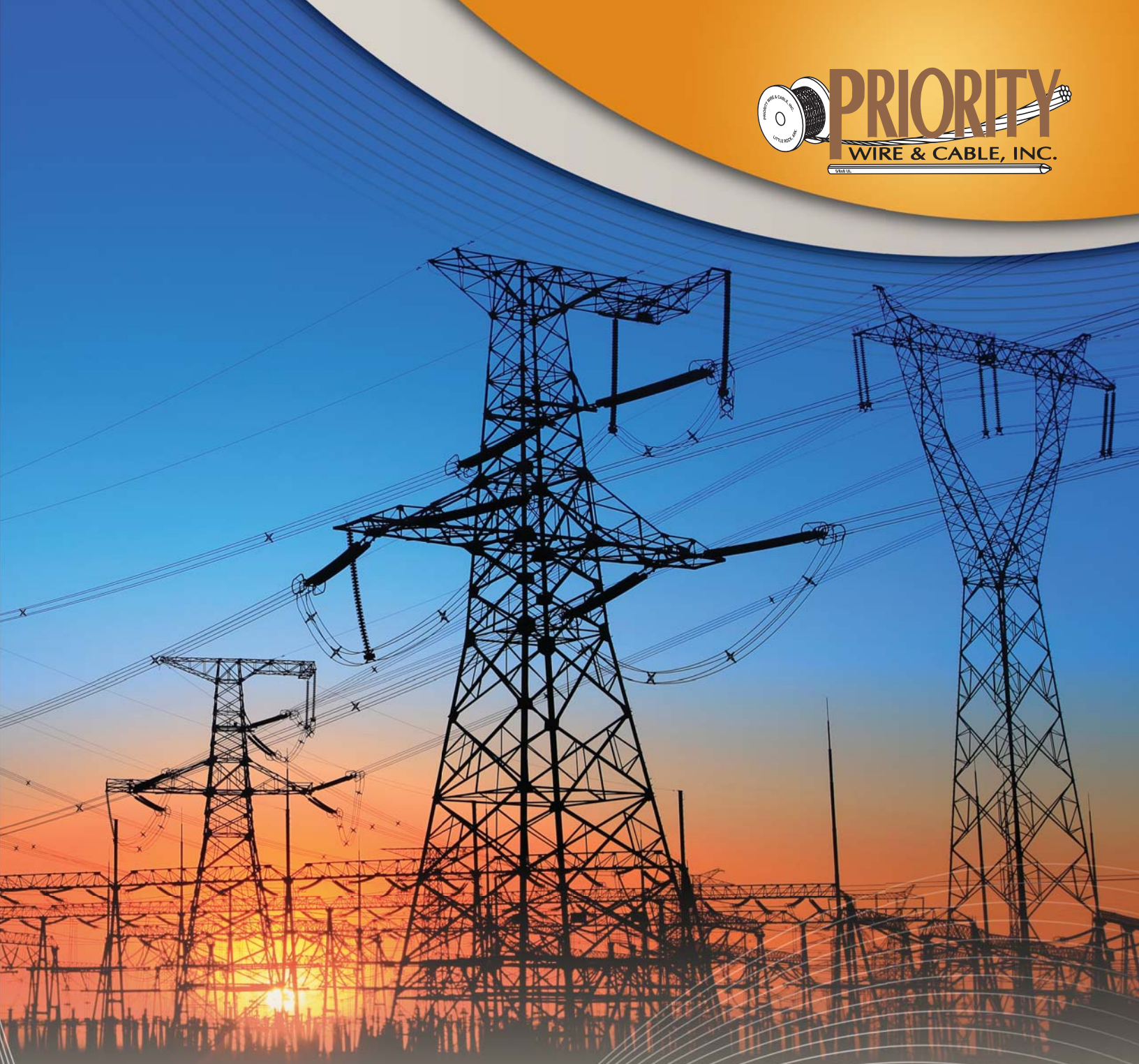
PRIORITY
WIRE & CABLE, INC.



Utility Wire & Cable

Code Name Reference

Code Name	Cond. Size	Pg. #	Code Name	Cond. Size	Pg. #	Code Name	Cond. Size	Pg. #	Code Name	Cond. Size	Pg. #
Aega	3/0 AWG	16	Camellia	1000 MCM	N/A	Dahlia	556.5 MCM	1	Goldenrod	954 MCM	1
Akron	30.58 MCM	2	Canary	900 MCM	5	Daisy	266.8 MCM	N/A	Goldentuft	450 MCM	N/A
Alliance	249.9 MCM	2	Canna	397.5 MCM	1	Darien	559.5 MCM	2	Gonzaga	300 MCM	9
Almond	1/0 AWG	13	Canton	394.5 MCM	2	Daumier	500 MCM	N/A	Gould	250 MCM	N/A
Alton	48.69 MCM	2	Cardinal	954 MCM	5	Davidson	3/0 AWG	11	Goya	2/0 AWG	N/A
Ames	77.47 MCM	2	Carnation	1431 MCM	N/A	Degas	250 MCM	N/A	Grackle	1192.6 MCM	5
Amherst	195.7 MCM	2	Cattail	750 MCM	N/A	Delgado	4 AWG	9	Grapefruit	1033.5 MCM	N/A
Anaheim	155.4 MCM	2	Cavolina	2/0 AWG	16	Dipper	1351.5 MCM	5	Greeley	927.2 MCM	2
Anona	336.4 MCM	N/A	Cenia	1/0 AWG	16	Doberman	2 AWG	14	Grosbeak	636 MCM	5
Appaloosa	4/0 AWG	17	Cerapus	4/0 AWG	16	Dorking	190.8 MCM	7	Grouse	80.6 MCM	7
Apple	6 AWG	N/A	Cezanne	2 AWG	N/A	Dotterel	176.9 MCM	7	Grullo	2/0 AWG	17
Apricot	4 AWG	N/A	Cherrystone	3/0 AWG	16	Dove	556.5 MCM	4	Guinea	159 MCM	7
Arabian	4 AWG	17	Chestnut	1 AWG	13	Drake	795 MCM	5	Hackberry	266.8 MCM	13
Arbutus	795 MCM	1	Chickadee	397.5 MCM	4	Dufay	250 MCM	N/A	Hackney	4 AWG	17
Arca	4/0 AWG	15	Chihuahua	6 AWG	14	Duke	600 MCM	9	Haiotis	6 AWG	16
Arch	2 AWG	N/A	Chola	6 AWG	17	Dungense	2/0 AWG	15	Hals	350 MCM	N/A
Artemia	4 AWG	15	Choppin	4/0 AWG	N/A	Dyke	2 AWG	11	Handel	1 AWG	N/A
Aster	2/0 AWG	1	Chow	2 AWG	14	Eagle	556.5 MCM	4	Hanoverian	3/0 AWG	17
Azusa	123.3 MCM	2	Chukar	1780 MCM	5	Earlham	4/0 Awg	11	Harrier	4 AWG	14
Bach	3/0 AWG	N/A	Claflin	6 AWG	9	Echinus	1/0 Awg	15	Harvard	1/0 AWG	9
Bard	8 AWG	9	Clam	2 AWG	16	Egret	636 MCM	5	Hawk	477 MCM	4
Barnacles	4 AWG	15	Clemson	2 AWG	9	El Greco	3/0 MCM	N/A	Hawkweed	1000 MCM	N/A
Bay	6 AWG	17	Clio	2/0 AWG	16	Elgin	652.4 MCM	2	Hawthorn	1192.5 MCM	N/A
Beech	2 AWG	13	Clydesdale	4 AWG	17	Emory	500 MCM	9	Haydn	1/0 AWG	N/A
Belgian	2 AWG	17	Cochin	211.3 MCM	7	Erskine	6 AWG	10	Heeler	1/0 AWG	14
Beloit	4/0 AWG	9	Cockle	2 AWG	16	Eskimo	4 AWG	14	Hen	477 MCM	4
Bergen	1/0 AWG	10	Cockscomb	900 MCM	N/A	Everett	2 AWG	9	Heuchera	650 MCM	N/A
Bittern	1272 MCM	5	Collie	6 AWG	14	Fairfield	750 MCM	N/A	Hickory	4 AWG	13
Bitterroot	2750 MCM	N/A	Columbine	1351.5 MCM	N/A	Falcon	1590 MCM	5	Hippa	6 AWG	15
Bluebell	1033.5 MCM	1	Conch	2 AWG	16	Fig	3/0 AWG	N/A	Hofstra	250 MCM	9
Bluebird	2156 AWG	5	Condor	795 MCM	5	Filbert	3/0 AWG	13	Holbein	4/0 AWG	N/A
Bluebonnet	3500 MCM	N/A	Converse	2/0 AWG	10	Finch	1113 MCM	5	Hollins	3/0 AWG	10
Bluejay	1113 MCM	5	Coot	795 MCM	5	Flag	700 MCM	N/A	Holyoke	500 MCM	N/A
Bobolink	1431 MCM	5	Coreopsis	1590 MCM	1	Flamingo	666.6 MCM	5	Hornbeam	4 AWG	N/A
Bosch	500 MCM	N/A	Corot	4/0 AWG	N/A	Flicker	477 MCM	4	Huckleberry	477 MCM	N/A
Brahma	203.2 MCM	7	Cosmos	477 MCM	1	Flint	740.8 MCM	2	Hunter	2/0 AWG	10
Brahms	2/0 AWG	N/A	Costena	1/0 AWG	17	Flustra	3/0 AWG	15	Hyacinth	500 MCM	1
Brant	397.5 MCM	4	Cowry	336.4 MCM	16	Fordham	1000 MCM	9	Ibis	397.5 MCM	4
Breadfruit	636 MCM	N/A	Cowslip	2000 MCM	1	French-Coach	6 AWG	17	Iris	2 AWG	1
Brenau	1/0 AWG	10	Crab	4 AWG	15	Fulgar	3/0 AWG	15	Ives	2/0 AWG	N/A
Bronco	336.4 MCM	17	Crayfish	2/0 AWG	15	Furman	700 MCM	9	Janthina	1/0 AWG	16
Bruegel	3/0 AWG	N/A	Criollo	1/0 AWG	17	Fusus	4 AWG	16	Jessamine	1750 MCM	N/A
Buckeye	4/0 AWG	13	Cuckoo	795 MCM	5	Gable	1/0 AWG	N/A	Joist	1/0 AWG	N/A
Bull	1/0 AWG	14	Curlew	1033.5 MCM	5	Gammarus	1/0 AWG	15	Joree	2513 MCM	N/A
Bunting	1192.5 MCM	5	Cuttlefish	2 AWG	16	Gannet	666.6 MCM	5	Kenyon	1 AWG	9
Butte	312.8 MCM	2	Cyclops	4/0 AWG	15	Gelding	336.4 MCM	17	Kingbird	636 MCM	5
Butternut	4 AWG	13	Dachshund	4 AWG	14	German-Coach	4 AWG	17	Kiwi	2167 MCM	5
Cairo	465.4 MCM	2	Daffodil	350 MCM	1	Gladiolus	1510.5 MCM	N/A	Lafayette	2/0 AWG	N/A

Code Name Reference

Code Name	Cond. Size	Pg. #	Code Name	Cond. Size	Pg. #	Code Name	Cond. Size	Pg. #	Code Name	Cond. Size	Pg. #
Lapwing	1590 MCM	5	Oldenburg	4/0 AWG	17	Quail	2/0 AWG	4	Strombus	4 AWG	16
Lark	397.5 MCM	4	Olive	4/0 AWG	N/A	Quince	1/0 AWG	N/A	Suffolk	3/0 AWG	17
Larkspur	1033.5 MCM	1	Orange	2/0 AWG	N/A	Rail	954 MCM	5	Swan	4 AWG	4
Laurel	266.8 MCM	1	Orchid	636 MCM	1	Ranella	1/0 AWG	16	Swanate	4 AWG	4
Leda	1/0 AWG	15	Ortolan	1033.5 MCM	5	Ramapo	2 AWG	10	Swathmore	3/0 AWG	N/A
Leghorn	134.6 MCM	7	Oriole	336.4 MCM	4	Rapheal	1/0 AWG	N/A	Sweetbriar	4/0 AWG	10
Lepas	4/0 AWG	15	Osprey	556.5 MCM	4	Ravel	3/0 AWG	N/A	Swift	636 MCM	5
Lilac	795 MCM	N/A	Ostrich	300 MCM	4	Raven	1/0 AWG	4	Syracuse	2/0 AWG	11
Limpet	336.4 MCM	N/A	Oxlip	4/0 AWG	1	Razor	4/0 AWG	16	Syringa	477 MCM	1
Lindin	2 AWG	N/A	Oyster	4 AWG	16	Redwing	715.5 MCM	5	Teal	605 MCM	5
Linnet	336.4 MCM	4	Palomino	2 AWG	17	Rider	500 AWG	10	Tern	795 MCM	5
Lippizaner	336.4 MCM	17	Paludina	6 AWG	16	Robin	1 AWG	4	Terrier	4 AWG	14
Listz	1 AWG	N/A	Pansy	1 AWG	N/A	Rockland	3/0 AWG	N/A	Thrasher	2312 MCM	5
Lully	500 MCM	N/A	Parakeet	565.5 MCM	4	Rock	636 AWG	4	Thoroughbred	2/0 AWG	17
Lupine	2500 MCM	1	Parrot	1510.5 MCM	5	Rose	4 AWG	N/A	Titan	2 AWG	N/A
Magnolia	954 MCM	1	Partridge	266.8 MCM	4	Rubens	2/0 AWG	N/A	Trillium	3000 MCM	N/A
Malamute	1/0 AWG	14	Patella	6 AWG	16	Ruddy	900 MCM	5	Triton	2/0 AWG	16
Mallard	795 MCM	5	Paw Paw	556.5 MCM	N/A	Runcina	2/0 AWG	16	Trotter	3/0 AWG	17
Marigold	113 MCM	1	Peach	2 AWG	N/A	Rutgers	350 MCM	9	Tufts	3/0 AWG	9
Martin	1351.5 MCM	5	Peachbell	6 AWG	N/A	Sagebrush	2250 MCM	N/A	Tulip	336.4 MCM	1
McNeil	350 MCM	N/A	Peacock	605 MCM	4	Sandcrab	1/0 AWG	15	Tulsa	4 AWG	11
Meadowsweet	600 MCM	N/A	Pear	4 AWG	N/A	Sanddollar	3/0 AWG	16	Turkey	6 AWG	N/A
Melita	3/0 AWG	16	Pecan	2/0 AWG	13	Scallop	4 AWG	16	Valerian	250 MCM	1
Mercer	4 AWG	9	Pekingese	6 AWG	14	Schnauzer	2 AWG	14	Van Gogh	1/0 AWG	N/A
Merlin	336.4 MCM	4	Pelican	477 MCM	4	Schubert	500 MCM	N/A	Vassar	4 AWG	10
Minex	6 AWG	15	Penguin	4/0 AWG	4	Schuetz	350 MCM	N/A	Verbena	700 MCM	N/A
Minorca	110.8 MCM	7	Peony	4/0 AWG	N/A	Scoter	636 MCM	5	Verdi	1/0 AWG	N/A
Mistletoe	556.5 MCM	N/A	Pecheron	4/0 AWG	17	Setter	6 AWG	14	Vernet	750 MCM	N/A
Molles	397.5 MCM	N/A	Periwinkle	300 MCM	16	Sewanee	750 MCM	9	Violet	715.5 MCM	N/A
Monet	1 AWG	N/A	Persimmon	2/0 AWG	N/A	Shellbark	3/0 AWG	N/A	Vizsla	6 AWG	14
Monmouth	4/0 AWG	10	Petrel	4 AWG	7	Shepard	6 AWG	14	Voluta	6 AWG	16
Moreau	250 MCM	N/A	Petunia	795 MCM	1	Shetland	1/0 AWG	17	Wagner	250 MCM	N/A
Morgan	4 AWG	17	Pheasent	101.8 MCM	5	Shrimp	2 AWG	15	Wake Forest	4/0 AWG	11
Morochuca	6 AWG	17	Phlox	750 MCM	1	Sipho	2/0 AWG	15	Walking	4/0 AWG	17
Mozart	4/0 AWG	N/A	Pigeon	3/0 AWG	4	Slippery Rock	350 MCM	11	Walnut	6 AWG	13
Mulberry	266.8 MCM	N/A	Pignut	3/0 AWG	13	Snapdragon	900 MCM	N/A	Waterash	1/0 AWG	N/A
Murex	1/0 AWG	16	Pinto	4 AWG	17	Sneezewort	250 MCM	N/A	Waxwing	266.8 MCM	4
Mursia	3/0 AWG	16	Planetree	4/0 AWG	N/A	Soffit	1 AWG	N/A	Wesleyan	350 AWG	10
Mustang	2 AWG	17	Plover	1431 AWG	5	Solaster	2 AWG	15	Whelk	4 AWG	16
Nannynose	336.4 MCM	16	Pomegranate	4/0 AWG	N/A	Spaniel	4 AWG	14	Whippet	4 AWG	14
Narcissus	1272 MCM	1	Poppy	1/0 AWG	1	Sparate	2 AWG	4	Windham	750 MCM	11
Nassa	2/0 AWG	16	Portunus	4/0 AWG	16	Sparrow	2 AWG	4	Wittenberg	2 AWG	11
Nasturtium	715.5 MCM	N/A	Pratt	250 MCM	10	Squab	605 MCM	5	Wofford	500 MCM	11
Neritina	1/0 AWG	16	Prawn	4 AWG	15	Starling	715.5 MCM	5	Wood Duck	605 MCM	5
Notre Dame	1/0 AWG	11	Princeton	397.5 MCM	9	Stephens	2 AWG	10	Yale	2/0 AWG	9
Nuthatch	1510.5 MCM	5	Purdue	1/0 AWG	N/A	Stilt	715.5 MCM	5	Zinnia	500 MCM	N/A
Oilnut	1/0 AWG	N/A	Purpura	1/0 AWG	16	Strauss	750 MCM	N/A	Zuzara	4/0 AWG	16

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AAC - All Aluminum Conductor

APPLICATION: Stranded 1350 aluminum conductors.
Class AA for bare conductors used in overhead lines.
Class A for conductors to be covered with weather-resistant materials and for bare conductors where greater flexibility is required. Class is an indication of relative conductor flexibility, AA being the least flexible, A being the most flexible.

SPECIFICATIONS: AAC bare conductors meet or exceed the following ASTM specifications:
B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.
B-231 Aluminum Conductors, Concentric-Lay-Stranded Aluminum 1350 Conductors.

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Code Word	AWG	Stranding		Diameter (in)		Cross Sectional Cable (SQ. IN)	Weight per 1000 (LBS) FT	Rated Breaking Strength (LBS)	Resistance OHMS/1000FT		Rating (AMPS)
		Number of Wires	Class	Individual Wires	Comp Cable				DC @ 20°C	AC @ 75°C	
Iris	2	7/W	AA,A	0.0974	0.292	0.0521	62.3	1,235	0.26	0.318	185
Poppy	1/0	7/W	AA,A	0.1228	0.368	0.0829	99.1	1,990	0.164	0.202	247
Aster	2/0	7/W	AA,A	0.1379	0.414	0.1045	124.9	2,510	0.13	0.159	286
Phlox	3/0	7/W	AA,A	0.1548	0.464	0.1318	157.5	3,040	0.103	0.126	331
Oxlip	4/0	7/W	AA,A	0.1739	0.522	0.1662	198.6	3,830	0.0817	0.0999	383
Valerian	250	19/W	A	0.1147	0.574	0.1964	234.7	4,520	0.0591	0.0846	425
Laurel	266.8	19/W	A	0.1185	0.593	0.2095	250.5	4,970	0.0648	0.0793	444
Tulip	336.4	19/W	A	0.1331	0.666	0.2642	315.8	6,150	0.0514	0.063	513
Daffodil	350	19/W	A	0.1357	0.679	0.2749	328.6	6,390	0.0435	0.0605	526
Canna	397.5	19/W	AA,A	0.1447	0.724	0.3122	373.2	7,110	0.0435	0.0534	570
Cosmos	477	19/W	AA	0.1584	0.793	0.3746	447.8	8,360	0.0362	0.0445	639
Syringa	477	37/W	A	0.1135	0.795	0.3746	447.8	8,690	0.0362	0.0445	639
Hyaclinth	500	37/W	A	0.1162	0.813	0.3927	469.4	9,110	0.0364	0.0425	658
Dahlia	556.5	19/W	AA	0.1711	0.856	0.4371	522.4	9,750	0.0311	0.0382	703
Orchid	636	37/W	AA,A	0.1311	0.918	0.4995	597	11,400	0.0272	0.0335	765
Petunla	750	37/W	AA	0.1424	0.997	0.5891	704.5	13,000	0.023	0.0286	847
Arbutus	795	37/W	AA	0.1446	1.026	0.6244	746.3	13,900	0.0217	0.0271	878
Magnolia	954	37/W	AA	0.1606	1.124	0.7493	895.6	16,400	0.0181	0.0226	982
Goldenrod	954	61/W	A	0.1251	1.126	0.7493	895.6	16,900	0.0181	0.0226	983
Bluebell	1033.5	37/W	AA	0.1671	1.170	0.8177	970.2	17,700	0.0167	0.021	1031
Larkspur	1033.5	61/W	A	0.1302	1.172	0.8177	970.2	18,300	0.0167	0.021	1032
Marigold	1113	61/W	AA,A	0.1351	1.216	0.8742	1045	19,700	0.0155	0.0195	1079
Narcissus	1272	61/W	AA,A	0.1441	1.300	0.999	1194	22,000	0.0136	0.0173	1169
Coreopsis	1590	61/W	AA	0.1614	1.454	1.249	1493	27,000	0.0109	0.0141	1333
Cowslip	2000	91/W	A	0.1482	1.630	1.571	1877	34,200	0.00864	0.0115	1518
Lupine	2500	91/W	A	0.1657	1.823	1.964	2370	41,900	0.00698	0.00969	1706

1. Resistance is calculated using ASTM standard increments of stranding and metal conductivity of 52.5% IACS, AC resistance at 60 Hz.
2. Current ratings are based on 75°C conductor temperature, 25°C ambient. 2ft.1s wind, 961 watts/sq. foot sun, 0.5 coefficients of emissivity and absorption.

AAAC - All Aluminum Alloy (6201) Conductor

APPLICATION: Bare overhead conductor used for primary and secondary distribution. Designed utilizing a high-strength aluminum alloy to achieve a high strength-to-weight ratio; better sag characteristics. AAAC has higher resistance to corrosion than ACSR.

CONSTRUCTION: Standard 6201-T81 high strength aluminum conductors, conforming to ASTM specification B-399, are concentric-lay-stranded, similar in construction and appearance to 1350 grade aluminum conductors. DC resistance of 20°C of the 6201-T81 alloys have a greater resistance to abrasion than conductors of 1350-H19 grade aluminum.

SPECIFICATIONS: AAAC bare conductor meets or exceeds the following ASTM specifications:
B-398 Aluminum Alloy 6201-T81 Wire for Electrical Purposes
B-399 Concentric-Lay-Stranded Aluminum Alloy 6201-T81 Conductors.

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Code Word	Size (KCM)	Strand	Approx EC Cond. With Equivalent Resistance	Stranding	Diameter (in)		Cross Sectional Area (Sq. in)	Weight Per 1000 FT (LBS)	Rated Strength (LBS)	Resistance OHMS/1000 FT		Rating (Amps)
					Indiv. Wire OD	Comp. Cable				DC @ 20°C	AC @ 75°C	
Akron	30.58	7	6	6/1	0.0661	0.198	0.0240	28.7	1,110	0.659	0.785	107
Alton	48.69	7	4	6/1	0.0834	0.250	0.0382	45.7	1,760	0.414	0.493	143
Ames	77.47	7	2	6/1	0.1052	0.316	0.0608	72.7	4,270	0.26	0.31	191
Azusa	123.3	7	1/0	6/1	0.1327	0.398	0.0968	115.7	4,460	0.163	0.195	256
Anaheim	155.4	7	2/0	6/1	0.149	0.447	0.1221	145.9	5,390	0.13	0.154	296
Amherst	195.7	7	3/0	6/1	0.1672	0.502	0.1537	183.7	6,790	0.103	0.123	342
Alliance	246.9	7	4/0	6/1	0.1878	0.563	0.1939	231.8	8,560	0.0816	0.0973	395
Butte	312.8	19	266.8	26/7	0.1283	0.642	0.2456	293.6	10,600	0.644	0.0769	460
Canton	394.5	19	336.4	26/7	0.1441	0.721	0.3098	370.3	13,300	0.0511	0.061	532
Cairo	465.4	19	397.5	26/7	0.1565	0.783	0.3655	436.9	15,600	0.0433	0.0518	590
Darien	559.5	19	477	26/7	0.1716	0.858	0.4394	521.2	18,800	0.036	0.042	663
Elgin	652.4	19	556.5	26/7	0.1853	0.927	0.5124	612.4	21,900	0.0309	0.0371	729
Flint	740.8	37	636	26/7	0.1414	0.991	0.5818	685.5	24,400	0.0272	0.0327	790
Greeley	927.2	37	795	26/7	0.1583	1.108	0.7282	870.4	30,500	0.0217	0.0263	908

H19 Grade Aluminum
1. Resistance is calculated using ASTM standard increments of stranding, and metal conductivity of 52.5% IACS AC resistance at 60 Hz.
2. Current rating are based on 75°C conductor temperature. 25°C ambient, 2ft watts/sq. foot sun, .05 coefficients of emissivity and absorption.

ACAR - Aluminum Conductor Aluminum Reinforced

APPLICATION: Used as bare overhead transmission cable and as primary and secondary distribution cable. A good strength-to-weight ratio makes ACAR applicable where both ampacity and strength are prime considerations in line design; for equal weight, ACAR offers higher strength and ampacity than ACSR.

CONSTRUCTION: Aluminum Alloy 1350-H19 wires, concentrically stranded about an aluminum alloy 6201 core. Although the alloy strands generally comprise the core of the cable, in some constructions they are distributed in layers throughout the aluminum alloy 1350-H19 strands.

SPECIFICATIONS: Priority's ACAR bare conductor meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.
- B-398 Aluminum Alloy 6201-T81 for Electrical Purposes.
- B-524 Concentric-Lay-Stranded Aluminum Conductors, Aluminum Alloy Reinforced ACAR, 1350/6201.

Size (kcmil)	Stranding (EC/6201)	Diameter (in)			Weight Per 1000 FT. (lbs)	Rated Strength (lbs)	Resistance OHMS/1000 ft.		Allowable Ampacity+ (Amps)
		Individual Wires		Comp. cable			DC @ 20°C	AC @ 75°C	
		6201	1350						
355.0	12/7	0.1367	0.1367	0.683	332.1	8500	0.0514	0.0624	519
465.9	12/7	0.1566	0.1566	0.783	435.8	11000	0.0392	0.0477	616
503.6	12/7	0.1628	0.1628	0.814	471.1	11900	0.0362	0.0441	646
653.1	12/7	0.1854	0.1854	0.927	611.0	15400	0.0279	0.0342	760
739.8	30/7	0.1414	0.1414	0.99	692.7	15300	0.0240	0.0296	831
739.8	18/19	0.1414	0.1414	0.99	691.6	18800	0.0252	0.0308	814
853.7	30/7	0.1519	0.1519	1.063	799.3	17500	0.0208	0.0257	907
853.7	18/19	0.1519	0.1519	1.063	798.0	21500	0.0218	0.0268	890
927.2	30/7	0.1583	0.1583	1.108	868.2	19000	0.0192	0.0238	955
927.2	18/19	0.1583	0.1583	1.108	866.7	23400	0.0201	0.0247	936
1024.5	30/7	0.1664	0.1664	1.165	959.3	20900	0.0173	0.0216	1015
1024.5	18/19	0.1664	0.1664	1.165	957.7	25800	0.0182	0.0225	995
1081.0	30/7	0.1709	0.1709	1.196	1012.1	22100	0.0164	0.0205	1048
1081.0	18/19	0.1709	0.1709	1.196	1010.5	27200	0.0172	0.0213	1028
1109.0	30/7	0.1731	0.1731	1.212	1038.4	22700	0.0160	0.0200	1065
1109.0	18/19	0.1731	0.1731	1.212	1036.6	27900	0.0168	0.0208	1044
1172.0	30/7	0.1780	0.1780	1.246	1097.3	24000	0.0152	0.0190	1101
1172.0	18/19	0.1780	0.1780	1.246	1095.5	29500	0.0159	0.0198	1080
1197.0	30/7	0.1799	0.1799	1.259	1120.8	24500	0.0148	0.0187	1115
1197.0	18/19	0.1799	0.1799	1.259	1118.9	30200	0.0156	0.0194	1094
1280.0	30/7	0.1860	0.1860	1.302	1198.5	26200	0.0139	0.0175	1160
1280.0	18/19	0.1860	0.1860	1.302	1196.5	32200	0.0146	0.0182	1139
1361.0	42/19	0.1494	0.1494	1.344	1273.6	30300	0.0133	0.0168	1196
1527.0	42/19	0.1582	0.1582	1.424	1428.8	33600	0.0118	0.0151	1314
1703.0	42/19	0.1671	0.1671	1.504	1593.5	37500	0.0106	0.0137	1363
1933.0	42/19	0.1780	0.1780	1.602	1808.8	42500	0.00936	0.0123	1465
2267.0	42/19	0.1928	0.1928	1.735	2142.0	49900	0.00806	0.0108	1594
2493.0	72/19	0.1655	0.1655	1.821	2356.9	50400	0.00722	0.0099	1687
2493.0	54/37	0.1655	0.1655	1.821	2354.5	57600	0.00743	0.0101	1670

+ Ampacity based on 75°C conductor temperature, 25°C ambient temperature, with 2ft./sec. wind in the sun.

1-800-945-5542

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ACSR - Aluminum Conductor Steel Reinforced

APPLICATION: Used as bare overhead transmission cable and as primary and secondary distribution cable. ACSR offers optimal strength for line design. Variable steel core stranding for desired strength to be achieved without sacrificing ampacity.

CONSTRUCTION: Aluminum Alloy 1350-H19 wires, concentrically stranded around a steel core. Core wire for ACSR is available with class A, B or C galvanizing; aluminum coated (AZ); or aluminum-clad steel core (AL). Additional corrosion protection is available through the application of grease to the corer or infusion of the complete cable with grease.

SPECIFICATIONS: ACSR bare conductor meets or exceeds the following ASTM specifications:
B-230 Aluminum wire, 1350-H19 for Electrical Purposes
B-231 Aluminum Conductors, Concentric-Lay-Stranded
B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced (ACSR)
B-341 Aluminum-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR/AZ)
B-498 Zinc-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR)
B-500 Metallic Coated Stranded Steel Core for Aluminum Conductors, Steel Reinforced (ACSR)

RUS ACCEPTED

Code Word	Size (AWG or KCM)	STR (AL/ STL)	Diameter (in)				Weight Per 1000 ft.(lbs)			Content %		Rated Breaking Strength (lbs)	Resistance OHMS/1000 ft.		Rating (Amps)
			AL	STL	Steel Core	Comp. Cable OD	AL	STL	Total	AL	STL		DC @ 20°C	AC @ 75°C	
Turkey	6	6/1	0.0661	0.0661	0.0661	0.198	24.5	11.6	36.1	67.9	32.1	1,190	0.641	0.806	105
Swan	4	6/1	0.0834	0.0834	0.0834	0.250	39	18.4	57.4	67.9	32.1	1,860	0.403	0.515	140
Swanate	4	7/1	0.0772	0.1029	0.1029	0.257	39	28	67	58.13	41.87	2,360	0.399	0.519	140
Sparrow	2	6/1	0.1052	0.1052	0.1052	0.316	62	29.3	91.3	67.9	32.1	2,850	0.254	0.332	164
Sparate	2	7/1	0.0974	0.1299	0.1299	0.325	62	44.7	106.7	58.13	41.87	3,640	0.251	0.338	184
Robin	1	6/1	0.1181	0.1181	0.1181	0.354	78.2	36.9	115.1	67.9	32.1	3,550	0.201	0.258	212
Raven	1/0	6/1	0.1327	0.1327	0.1327	0.398	98.7	46.6	145.3	67.9	32.1	4,380	0.149	0.217	242
Quail	2/0	6/1	0.1489	0.1489	0.1489	0.447	124.3	58.7	183	67.9	32.1	5,300	0.126	0.176	276
Pigeon	3/0	6/1	0.1672	0.1672	0.1672	0.502	156.7	74	230.7	67.9	32.1	6,620	0.100	0.144	315
Penguin	4/0	6/1	0.1878	0.1878	0.1878	0.563	197.7	93.4	291.1	67.9	32.1	8,350	0.0795	0.119	357
Waxwing	266.8	18/1	0.1217	0.1217	0.1217	0.609	250.3	39.2	289.5	86.45	13.55	6,880	0.0643	0.0787	449
Partridge	266.8	26/7	0.1013	0.0788	0.2364	0.642	251.7	115.6	367.2	68.53	31.47	11,130	0.0637	0.0779	475
Ostrich	300.0	26/7	0.1074	0.0835	0.2505	0.680	282.9	129.8	412.7	68.53	31.47	12,700	0.0567	0.0693	492
Merlin	336.4	18/1	0.1367	0.1367	0.1367	0.683	315.8	49.5	365.2	86.45	13.55	8,680	0.0510	0.0625	519
Linnet	336.4	26/7	0.1137	0.0884	0.2642	0.720	317.1	145.4	462.5	68.53	31.47	14,100	0.0505	0.0618	529
Oriole	336.4	30/7	0.1059	0.1059	0.3177	0.741	3182	208.9	527.1	60.35	39.65	17,800	0.0505	0.0613	535
Chickadee	397.5	18/1	0.1486	0.1486	0.1486	0.743	373.1	58.5	431.6	86.45	13.55	9,940	0.0432	0.0529	576
Brant	397.5	24/7	0.1287	0.0858	0.2574	0.772	375	137	512	73.23	26.77	14,500	0.0430	0.0526	584
Ibis	397.5	26/7	0.1236	0.0961	0.2882	0.783	374.7	171.9	546.6	68.53	31.47	16,300	0.0428	0.0523	587
Lark	397.5	30/7	0.1151	0.1151	0.3453	0.806	375.8	246.8	622.6	60.35	39.65	20,300	0.0425	0.0519	594
Pelican	477.0	18/1	0.1628	0.1628	0.1628	0.814	447.8	70.2	518	86.45	13.55	11,800	0.0360	0.0442	646
Flicker	477.0	24/7	0.1410	0.0940	0.2820	0.846	450.1	164.4	614.5	73.23	26.77	17,200	0.0358	0.0439	655
Hawk	477.0	26/7	0.1354	0.1053	0.3159	0.858	449.6	205.4	656	68.53	31.47	19,500	0.0356	0.0436	659
Hen	477.0	30/7	0.1261	0.1261	0.3783	0.883	451.1	296.2	747.3	60.35	39.65	23,800	0.0354	0.0433	666
Osprey	556.5	18/1	0.1758	0.1758	0.1758	0.879	522.2	81.8	604	86.45	13.55	13,700	0.0308	0.0379	711
Parakeet	556.5	24/7	0.1523	0.1015	0.3045	0.914	525.1	191.7	716.8	73.23	26.77	19,800	0.0307	0.0376	721
Dove	556.5	26/7	0.1463	0.1138	0.3414	0.927	525	241	766	68.53	31.47	22,500	0.0306	0.0375	726
Eagle	556.5	30/7	0.1362	0.1362	0.4086	0.953	526.3	345.6	871.9	60.35	39.75	27,800	0.0303	0.0372	734
Peacock	605.0	24/7	0.1588	0.1059	0.3177	0.953	570.4	208.7	779.6	73.23	26.77	21,600	0.0282	0.0346	760

(continued on pg 5)

Code Word	Size (AWG or KCM)	STR (AL/ STL)	Diameter (in)				Weight Per 1000 ft.(lbs)			Content %		Rated Breaking Strength (lbs)	Resistance OHMS/1000 ft.		Rating (Amps)
			AL	STL	Steel Core	Comp. Cable OD	AL	STL	Total	AL	STL		DC @ 20°C	AC @ 75°C	
Squab	605.0	26/7	0.1525	0.1186	0.3558	0.966	570.4	261.8	832.2	68.53	31.47	24,300	0.0281	0.0345	765
Wood Duck	605.0	30/7	0.1420	0.1420	0.4260	0.994	572	375.6	947.6	60.35	39.65	28,900	0.0279	0.0342	774
Teal	605.0	30/19	0.1420	0.0852	0.4260	0.994	572	367.4	939.4	60.89	39.11	30,000	0.0278	0.0342	773
Kingbird	636.0	18/1	0.1880	0.1880	0.188	0.940	497.2	93.6	690.8	86.45	13.55	15,700	0.0270	0.0332	773
Swift	636.0	36/1	0.1329	0.1329	0.1329	0.930	596.9	46.8	643.7	92.72	7.280	13,800	0.0271	0.0334	769
Rook	636.0	24/7	0.1628	0.1085	0.3255	0.977	600	219.1	819.1	73.23	26.77	22,600	0.0268	0.0330	784
Grosbeak	636.0	26/7	0.1564	0.1216	0.3648	0.990	599.2	276.2	874.1	68.53	31.47	25,200	0.0267	0.0328	789
Scoter	636.0	30/7	0.1456	0.1456	0.4368	1.019	601.4	394.9	996.3	60.35	39.55	30,400	0.0256	0.0325	798
Egret	636.0	30/19	0.1456	0.0874	0.4370	1.019	601.4	386.6	988	60.89	39.11	31,500	0.0266	0.0326	798
Flamingo	666.6	24/7	0.1667	0.1110	0.3330	1.000	629.1	229.7	858.8	73.23	26.77	23,700	0.0256	0.0315	807
Gannet	666.6	26/7	0.1501	0.1245	0.2725	1.014	628.7	288.5	917.2	68.53	31.47	26,400	0.0255	0.0313	812
Stilt	715.5	24/7	0.1727	0.1151	0.3453	1.036	675.2	246.5	921.7	73.23	26.77	25,500	0.0239	0.0294	844
Starting	715.5	26/7	0.1659	0.1290	0.3870	1.051	675.0	309.7	984.7	68.53	31.47	28,400	0.0238	0.0292	849
Redwing	715.5	30/19	0.1544	0.0926	0.4630	1.081	676.3	434.0	1110.0	60.89	39.11	34,600	0.0236	0.0290	859
Coot	795.0	36/1	0.1486	0.1486	0.1486	1.040	746.2	58.5	804.7	92.80	7.20	16,800	0.0217	0.0268	884
Cuckoo	795.0	24/7	0.1820	0.1213	0.3640	1.092	749.9	273.8	1024.0	72.23	26.77	27,900	0.0215	0.0265	901
Drake	795.0	26/7	0.1749	0.1360	0.4080	1.108	750.3	344.2	1094.0	68.53	31.47	31,500	0.0214	0.0261	907
Tern	795.0	45/7	0.1329	0.0886	0.2660	1.063	749.8	146.1	895.9	83.69	16.31	22,100	0.0216	0.0269	887
Condor	795.0	54/7	0.1213	0.1213	0.3639	1.092	749.5	273.6	1023.0	73.25	26.75	28,200	0.0215	0.0272	889
Mallard	795.0	30/19	0.1628	0.0977	0.4885	1.140	751.9	483.1	1235.0	60.89	39.11	38,400	0.0213	0.0261	918
Ruddy	900.0	45/7	0.1414	0.0943	0.2829	1.131	848.7	165.5	1014.0	83.69	16.31	24,400	0.0191	0.0239	958
Canary	900.0	54/7	0.1291	0.1291	0.3873	1.162	849.0	309.9	1149.0	73.25	26.75	31,900	0.0190	0.0241	961
Rail	954.0	45/7	0.1456	0.0971	0.2913	1.165	899.9	175.5	1075.0	83.69	16.31	25,900	0.0180	0.0225	993
Cardinal	954.0	54/7	0.1329	0.1329	0.3987	1.196	900.7	328.4	1228.0	73.25	26.75	33,800	0.0179	0.0228	996
Ortolan	1033.5	45/7	0.1515	0.1010	0.3030	1.212	974.3	189.8	1164.0	83.69	16.31	27,700	0.0167	0.0209	1043
Curlew	1033.5	54/7	0.1383	0.1383	0.4149	1.245	974.3	355.6	1330.0	73.25	26.75	36,600	0.0165	0.0211	1047
Bluejay	1113.0	45/7	0.1573	0.1049	0.3147	1.259	1050.0	204.8	1225.0	83.69	16.31	29,800	0.0155	0.0194	1092
Finch	1113.0	54/19	0.1436	0.0862	0.4310	1.293	1056.0	276.1	1432.0	73.75	26.75	39,100	0.0154	0.0197	1093
Bunting	1192.5	45/7	0.1628	0.1085	0.3255	1.302	1125.0	219.1	1344.0	83.69	16.31	32,000	0.0144	0.0182	1139
Grackle	1192.5	54/19	0.1486	0.0892	0.4460	1.338	1130.0	402.7	1533.0	73.75	26.25	41,900	0.0144	0.0184	1140
Bittern	1272.0	45/7	0.1681	0.1121	0.3363	1.345	1200.0	233.9	1433.0	83.69	16.31	34,100	0.0135	0.0171	1184
Pheasant	1272.0	54/19	0.1535	0.0921	0.4605	1.382	1206.0	429.3	1635.0	73.75	26.25	43,500	0.0135	0.0173	1187
Dipper	1351.5	45/7	0.1733	0.1155	0.3465	1.386	1275.0	248.3	1525.0	83.69	16.31	36,200	0.0127	0.0162	1229
Martin	1351.5	54/19	0.1582	0.9049	0.4745	1.424	1281.0	455.8	1737.0	72.75	26.25	46,300	0.0127	0.0163	1232
Bobolink	1431.0	45/7	0.1783	0.1189	0.3567	1.427	1350.0	263.1	1613.0	83.69	16.31	38,300	0.0120	0.0153	1272
Plover	1431.0	54/19	0.1628	0.0977	0.4885	1.465	1357.0	483.1	1840.0	73.75	26.25	49,100	0.0120	0.0155	1275
Nuthatch	1510.5	45/7	0.1832	0.1221	0.3663	1.465	1425.0	277.4	1702.0	83.69	16.31	40,100	0.0144	0.0146	1313
Parrot	1510.0	54/19	0.1672	0.1003	0.5015	1.505	1431.0	509.2	1940.0	73.75	26.25	51,700	0.0114	0.0147	1318
Lapwing	1590.0	45/7	0.1880	0.1253	0.3759	1.504	1499.0	292.2	1793.0	83.69	16.31	42,200	0.0108	0.0139	1354
Falcon	1590.0	54/19	0.1716	0.1030	0.5150	1.545	1499.0	537.0	2044.0	73.75	26.25	54,500	0.0180	0.0137	1359
Chukar	1780.0	84/19	0.1456	0.8740	0.4370	1.602	1688.0	386.6	2975.0	81.30	18.70	51,000	0.0097	0.0125	1453
Bluebird	2156.0	84/19	0.1602	0.0961	0.4805	1.762	2044.0	467.4	2511.0	81.30	18.70	60,300	0.0081	0.0106	1623
Kiwi	2167.0	72/7	0.1735	0.1157	0.3471	1.735	2055.0	248.9	2303.0	89.20	10.80	49,800	0.0080	0.0106	1607
Thrasher	2312.0	76/19	0.1744	0.0814	0.4070	1.802	2191.0	335.4	2527.0	86.73	13.27	56,700	0.0075	0.0100	1673

1. Resistance is calculated using ASTM standard increments of stranding, and metal conductivities of 61.2% IACS for EC (1350) and 8% of ACS for steel. AC (60Hz) resistance included current dependent hysteresis loss factor for 1 and 3 layer constructions.

2. Current ratings are based on 75°C conductor temperature, 25°C ambient, 2st wind, 96 watts/sq. foot sun. 0.5 coefficients of emissivity and absorption.

ACSR/AW

APPLICATION: Used as bare overhead transmission and as primary and secondary distribution cable. ACSR/AW offers strength characteristics similar to ACSR, along with slightly greater ampacity and resistance to corrosion due to aluminum-cladding of the steel core wires.

CONSTRUCTION: Aluminum Alloy 1350-H19 wires, concentrically stranded about an aluminum-clad steel core.

SPECIFICATIONS: Priority's ACSR/AW bare conductor meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.
- B-502 Aluminum-Clad Steel Core Wire for Aluminum Conductors, Aluminum-Clad Steel Reinforced.
- B-549 Aluminum Conductors, Concentric-Lay-Stranded, Aluminum-Clad Steel Reinforced (ASCR/AW).

Code Word	Size (AWG or kcmil)	Stranding (Al/Aw)	Diameter (in)				Weight per 1000 FT. (lbs)			Rated Strength (lbs)	Resistance OHMS/1000 FT		Allowable Ampacity+ (Amps)
			Individual Wires		Aw Core	Comp. Cable	Al	Aw	Total		DC @ 20°C	AC @ 75°C	
			Al	Aw									
Swan/Aw	4	6/1	.0834	0.0834	.0834	.25	39	16	55	1780	.3917	.4770	145
Swanate/Aw	4	7/1	.0772	.103	.103	.257	39	24	63	2280	.3814	.4642	148
Sparrow/Aw	2	6/1	.1052	.1052	.1052	.316	62	25	87	2760	.2462	.2997	194
Sparate/Aw	2	7/1	.0974	.1298	.1298	.325	62	38	100	3510	.2396	.2917	198
Robin/Aw	1	6/1	.1181	.1181	.1181	.354	78	31	109	3450	.1950	.2373	225
Raven/Aw	1/0	6/1	.1327	.1327	.1327	.398	99	39	138	4250	.1547	.1884	260
Quail/Aw	2/0	6/1	.1489	.1489	.1489	.447	124	50	174	5130	.1227	.1494	301
Pigeon/Aw	3/0	6/1	.1672	.1672	.1672	.502	156	63	219	6300	.09747	.1188	347
Penguin/Aw	4/0	6/1	.1878	.1878	.1878	.563	197	79	277	7690	.07726	.09422	402
Waxwing/Aw	266.8	18/1	.1217	.1217	.1217	.609	250	33	283	6820	.06364	.07776	451
Partridge/Aw	266.8	26/7	.1013	.0788	.2363	.642	251	98	349	10800	.06169	.07541	465
Ostrich/Aw	300.0	26/7	.1074	.0835	.2506	.68	283	110	393	12100	.05489	.06712	500
Merlin/Aw	336.4	18/1	.1367	.1367	.1367	.684	315	42	357	8540	.05044	.06175	522
Linnet/Aw	336.4	26/7	.1137	.0885	.2654	.720	317	123	440	13500	.04897	.05989	537
Oriole/Aw	336.4	30/7	.1059	.1059	.3177	.741	318	177	494	16700	.04795	.05861	547
Chickadee/Aw	397.5	18/1	.1486	.1486	.1486	.743	373	50	422	9780	.04268	.05230	580
Brant/Aw	397.5	24/7	.1287	.0858	.2574	.772	374	116	490	14100	.04185	.05124	592
Ibis/Aw	397.5	26/7	.1236	.0962	.2885	.783	374	146	520	15800	.04144	.05072	597
Lark/Aw	397.5	30/7	.1151	.1151	.3453	.806	375	209	584	19600	.04059	.04965	608
Pelican/Aw	477.0	18/1	.1628	.1628	.1628	.814	447	59	507	11500	.03556	.04344	651
Flicker/Aw	477.0	24/7	.141	.094	.2819	.846	449	139	589	16700	.03487	.04273	663
Hawk/Aw	477.0	26/7	.1354	.1053	.316	.858	449	175	624	18900	.03453	.04231	669
Hen/Aw	477.0	30/7	.1261	.1261	.3783	.883	450	251	701	23400	.03382	.04139	682
Osprey/Aw	556.5	18/1	.1758	.1758	.1758	.879	522	69	591	13200	.03050	.03749	715
Parakeet/Aw	556.5	24/7	.1523	.1015	.3045	.914	524	163	687	19300	.02989	.03667	731
Dove/Aw	556.5	26/7	.1463	.1138	.3413	.927	524	204	728	21900	.02958	.03627	737
Eagle/Aw	556.5	30/7	.1362	.1362	.4086	.953	525	293	818	26800	.02899	.03551	751
Peacock/Aw	605.0	24/7	.1588	.1058	.3175	.953	570	177	746	21000	.02749	.03377	770
Squab/Aw	605.0	26/7	.1525	.1186	.3559	.966	570	222	792	23600	.02588	.03341	777
Teal/Aw	605.0	30/19	.142	.0852	.426	.994	571	311	883	28500	.02672	.03274	791

(continued on pg 7)

+Conductor temperature of 75°C ambient temperature 25°C, emissivity 0.5, wind 2 ft./sec, in sun.

ACSR/AW (continued)

Code Word	Size (AWG or kcmil)	Stranding (Al/Aw)	Diameter (in)				Weight per 1000 FT. (lbs)			Rated Strength (lbs)	Resistance OHMS/1000 FT		Allowable Ampacity+ (Amps)
			Individual Wires		Aw Core	Comp. Cable	Al	Aw	Total		DC @ 20°C	AC @ 75°C	
			Al	Aw									
Kingbird/Aw	636.0	18/1	.188	.188	.188	.94	596	79	675	15000	.02667	.03286	778
Rook/Aw	636.0	24/7	.1628	.1085	.3256	.977	599	186	785	22000	.02616	.03216	794
Grosbeak/Aw	636.0	26/7	.1564	.1216	.3649	.991	599	233	832	24800	.02588	.03179	801
Flamingo/Aw	666.6	24/7	.1667	.1111	.3333	1.00	628	195	823	23100	.02495	.03069	818
Gannet/Aw	666.6	26/7	.1601	.1245	.3736	1.014	628	245	872	26000	.02470	.03034	825
Starling/Aw	715.5	26/7	.1659	.129	.3871	1.051	674	263	936	27500	.02300	.02830	863
Redwing/Aw	715.5	30/19	.1544	.0927	.4633	1.081	676	368	1044	33400	.02260	.02777	878
Cuckoo/Aw	795.0	24/7	.182	.1213	.364	1.092	749	232	981	27500	.02093	.02582	913
Drake/Aw	795.0	26/7	.1749	.136	.408	1.107	749	292	1040	30500	.02070	.02549	922
Tern/Aw	795.0	45/7	.1329	.0886	.2658	1.063	749	124	873	21500	.02135	.02638	896
Condor/Aw	795.0	54/7	.1213	.1213	.364	1.092	749	232	981	27800	.02091	.02578	913
Mallard/Aw	795.0	30/19	.1628	.0977	.4884	1.139	751	409	1160	37100	.02033	.02500	938
Ruddy/Aw	900.0	45/7	.1414	.0943	.2828	1.131	848	140	988	24000	.01886	.02330	970
Canary/Aw	900.0	54/7	.1291	.1291	.3873	1.162	848	263	1111	31000	.01849	.02286	986
Rail/Aw	954	45/7	.1456	.0971	.2912	1.165	899	149	1047	25400	.01779	.02210	1003
Cardinal/Aw	954	54/7	.1329	.1329	.3987	1.196	899	279	1177	32900	.01744	.02161	1022
Ortolan/Aw	1033.5	45/7	.1515	.101	.3031	1.212	973	161	1134	27200	.01641	.02044	1054
Curlew/Aw	1033.5	54/7	.1383	.1383	.415	1.245	973	302	1275	35200	.01609	.01997	1074
Bluejay/Aw	1113	45/7	.1573	.1048	.3145	1.258	1048	173	1222	29300	.01606	.01905	1103
Pheasant/Aw	1272	54/19	.1535	.0921	.4604	1.381	1204	364	1568	42400	.01315	.01646	1216
Bobolink/Aw	1431	45/7	.1783	.1189	.3566	1.427	1348	223	1571	37600	.01186	.01503	1283
Lapwing/Aw	1590	45/7	.188	.1253	.3759	1.504	1498	248	1745	41800	.01069	.01366	1365
High Mechanical Strength													
Grouse/Aw	80.0	8/1	.1000	.1670	.1670	.367	75.1	62.6	137.7	4,890	.1942	.2357	227
Petrel/Aw	101.8	12/7	.0921	.0921	.2763	.460	96.0	133.9	229.9	9,910	.1425	.1736	281
Minorca/Aw	110.8	12/7	.0961	.0961	.2883	.481	104.5	145.8	250.3	10,800	.1326	.1594	297
Leghorn/Aw	134.6	12/7	.1059	.1059	.3177	.530	127.0	177.0	304.0	13,000	.1078	.1313	335
Guinea/Aw	159.0	12/7	.1151	.1151	.3453	.576	150.0	209.1	359.1	15,300	.09123	.1112	372
Dotterel/Aw	176.9	12/7	.1214	.1214	.3642	.607	166.8	232.7	399.5	16,900	.08201	.09988	398
Dorking/Aw	190.8	12/7	.1261	.1261	.3783	.631	180.0	251.0	431.0	18,300	.07601	.09261	418
Brahma/Aw	203.2	16/19	.1127	.0977	.4885	.714	191.7	411.0	602.7	27,100	.06570	.07994	464
Cochin/Aw	211.3	12/7	.1327	.1327	.3981	.664	199.3	278.0	477.3	19,800	.06863	.08364	445

+Conductor temperature of 75QC ambient temperature 25°C, emissivity 0.5, wind 2 ft./sec, in sun.

Aluminum Tie and Ground Wire

APPLICATION: Generally used in overhead transmission and distribution line construction to mechanically secure components such as conductors to pin insulators. Also used for grounding applications in line construction.

CONSTRUCTION: Solid, soft 1350-0 aluminum wire.

SPECIFICATIONS: Priority's tie and ground wire meets or exceeds ASTM specification: B-609 Soft Aluminum Wire. 1350-0 for Electrical Purposes.

Size (AWG)	Stranding	Diameter (Mils)	Weight Per. 1000 Feet (lbs)	Breaking Strength (lbs)
6	Solid	162.0	24.1	232
4	Solid	204.3	38.4	369
2	Solid	257.6	61.0	586

Single Conductor 600 Volt URD

Secondary Type UD Cable-Aluminum Conductor

APPLICATION: Directly buried or installed in ducts for 600 volt or less secondary distribution.

CONSTRUCTION: Concentric stranded or compressed 1350-H19 aluminum conductor, cross-linked polyethylene insulation.

SPECIFICATIONS: ASTM B-230, B-609, and ICEA S-105-692. UL854. UL available upon request.

OPTIONS: Cable in Duct (CIC) • Abrasion Resistant

RUS ACCEPTED

Code Word	Conductor Size	Nominal Insulation Mils	Approx O.D. Inches	Estimated Weight lbs/1000 ft		Ampacity Directly Buried
				Aluminum	Total	
Princeton	6	60	0.298	25	44	108
Mercer	4	60	0.345	39	63	140
Clemson	2	60	0.403	62	92	180
Kenyon	1	80	0.473	78	121	203
Harvard	1/0	80	0.512	99	146	231
Yale	2/0	80	0.555	125	177	263
Tufts	3/0	80	0.603	157	215	299
Beloit	4/0	80	0.658	198	263	338
Hofstra	250	95	0.732	234	314	368
Gonzaga	300	95	0.784	281	367	407
Rutgers	350	95	0.831	328	420	444
Dartmouth	400	95	0.875	376	476	475
Emory	500	95	0.956	469	577	540
Duke	600	110	1.060	562	697	595
Furman	700	110	1.127	656	804	645
Sewanee	750	110	1.159	703	853	667
Fordham	1000	110	1.304	937	1108	800

Duplex Conductor 600 Volt URD

Secondary Type UD Cable-Aluminum Conductor

APPLICATION: Directly buried or installed in ducts for 600 volt or less secondary distribution.

CONSTRUCTION: Concentric stranded or compressed 1350-H19 aluminum conductor, cross linked polyethylene insulation. Insulated conductors surface printed, neutral, yellow striped.

SPECIFICATIONS: ASTM B-230, B-231, B-609, B-901 and ICEA S-105-692. Federal specification A-A-595544A NEC. UL854.

OPTIONS: Cable in Duct • Abrasion Resistant

RUS ACCEPTED /or APPROVED

Code Word	Phase Conductor			Neutral			Single Phase Conductor (inches)	Outside Diameter (inches)	Weight Per 1000 ft. (lbs)	Ampacity (Amps)	
	Size AWG	Strand	Insulation Thickness (mils)	Size AWG	Strand	Insulation Thickness (mils)				Direct Burial	In Duct
Bard	8	7/w	60	8	7/w	60	0.262	0.524	76	70	70
Claflin	6	7/w	60	6	7/w	60	0.299	0.596	91	95	70
Delgado	4	7/w	60	4	7/w	60	0.345	0.69	129	125	90
Everett	2	7/w	60	2	7/w	60	0.403	0.800	189	187	100

500', 1000', 1500', and 5000' reels standard stock. *Custom cuts available.
NOTE: Ampacity 90°C conductor temperatures, 20°C ambient temperature. RHO 90.100% load factor.
UL Standard 854 available upon request. Ampacity not for NEC applications.

1-800-945-5542
www.prioritywire.com

Triplex Conductor 600 Volt URD

Secondary Type UD Cable-Aluminum Conductor

APPLICATION: Directly buried or installed in ducts for 600 volt or less secondary distribution.

CONSTRUCTION: Concentric stranded or compressed 1350-H19 aluminum conductors, cross-linked polyethylene insulation. Insulated conductors surface printed, neutral, yellow striped. Two phase and one neutral conductor twisted together (LH lay).

SPECIFICATIONS: ASTM B-230, B-231, B-609, B-901, ICEA S-105-692, Federal Specification A-A-59544A. UL854.

OPTIONS: Cable in Duct (CIC) • Abrasion Resistant.

RUS ACCEPTED

Code Word	Phase Conductor			Neutral			Single Phase Conductor (inches)	Outside Diameter (inches)	Weight per 1000 ft. (lbs)	Allowable Ampacity+	
	Size AWG	Stranding	Insulation Thickness (mils)	Size AWG	Stranding	Insulation Thickness (mils)				Direct Burial	In Duct
Erskine	6	7/w	60	6	7/w	60	0.299	0.646	143	95	70
Vassar	4	7/w	60	4	7/w	60	0.345	0.754	203	125	90
Stephens	2	7/w	60	4	7/w	60	0.403	0.842	264	165	120
Ramapo	2	7/w	60	2	7/w	60	0.403	0.874	294	165	120
Brenau	1/0	19/w	80	2	7/w	60	0.522	1.064	408	215	160
Bergen	1/0	19/w	80	1/0	19/w	80	0.522	1.133	465	215	180
Converse	2/0	19/w	80	1	19/w	80	0.566	1.174	502	245	180
Hunter	2/0	19/w	80	2/0	19/w	80	0.566	1.228	560	245	180
Hollins	3/0	19/w	80	1/0	19/w	80	0.616	1.276	608	280	205
Sweetbriar	4/0	19/w	80	2/0	19/w	80	0.672	1.389	739	315	240
Monmouth	4/0	19/w	80	4/0	19/w	80	0.672	1.457	828	315	240
Pratt	250	37/w	95	3/0	19/w	80	0.748	1.538	893	345	265
Wesleyan	350	37/w	95	4/0	19/w	80	0.851	1.736	1166	415	320
Rider	500	37/w	95	350	37/w	95	0.979	2.035	1663	495	395

Note: Ampacity: 90°C conductor temperatures, 20°C ambient, RHO 90,100% load factor for three conductor triples with neutral carrying only unbalanced load.

UL Standard 854 available upon request.

Ampacity not for NEC applications.

Quadruplex Conductor 600 Volt URD

Secondary Type UD Cable-Aluminum Conductor

APPLICATION: Directly buried or installed in ducts for 600 volts or less secondary distribution.

CONSTRUCTION: Concentric stranded or compressed 1350-H19 aluminum conductors, cross-linked polyethylene insulation. Insulated conductors surface printed, neutral, yellow striped. Three phase and one neutral conductor cable together (LH lay).

SPECIFICATIONS: ASTM B-230, B-231, B-609, B-901, ICEA S-105-692, Federal Specification A-A-59544A and NEC. UL854. UL available upon request.

RUS ACCEPTED

	Phase Conductor			Neutral					Ampacity (Amps)	
Code Word	Size AWG	Strand	Insulation Thickness (mils)	Size AWG	Strand	Insulation Thickness (mils)	Outside Diameter (in.)	Weight per 1000 ft. (lbs)	Direct Burial	In Duct
Tulsa	4	7/w	60	4	7/w	60	0.893	258	119	85
Dyke	2	7/w	60	4	7/w	60	0.938	346	153	115
Wittenberg	2	7/w	60	2	7/w	60	0.973	375	153	115
Notre Dame	1/0	19/w	80	2	7/w	60	1.188	541	198	150
Syracuse	2/0	19/w	80	1	19/w	80	1.316	664	225	170
Davidson	3/0	19/w	80	3/0	19/w	80	1.487	874	250	195
Wake Forest	4/0	19/w	80	2/0	19/w	80	1.560	979	290	225
Earlham	4/0	19/w	80	4/0	19/w	80	1.623	1066	290	225
Rust	250	37/w	95	3/0	19/w	80	1.760	1203	325	210
Slippery Rock	350	37/w	95	4/0	19/w	80	1.945	1544	385	305
Wofford	500	37/w	95	350	37/w	95	2.348	2174	467	420
Windham	750	61/w	110	500	37/w	95	2.850	3147	615	492

Ampacity: 90° conductor temperature, 20°C ambient temperature, RHO 90.100% load factor tor three conductor triplex, with neutral carrying only unbalanced load.

UL Standard 854 available upon request.

Ampacity not for NEC applications.

8000 SERIES 600 VOLT URD

Triplex 600v Secondary UD RHH or RHW-2 or USE-2 8000 Series
Aluminum Alloy (AA-8000) Conductors
Cross Linked Polyethylene (XLP) Insulation

APPLICATION: Triplex Type RHH or RHW-2 or USE-2 is primarily used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts, where increased flexibility is needed. May also be used with conduit as specified by the NEC.

CONSTRUCTION: Type RHH or RHW-2 or USE-2 conductors are compressed stranded AA-8000 series Aluminum Alloy insulated with cross-linked polyethylene. A triplex construction consists of two-phase conductors and one neutral. The neutral conductor contains yellow extruded stripes and sequential footage marks. Conductors are surface printed for identification.

SPECIFICATIONS: Triplex Type RHH or RHW-2 or USE-2 600 volt cable meets or exceeds the following applicable ASTM specifications: B-800 8000 Series Aluminum Alloy Wire for Electrical Purposes • Annealed and intermediate tempers. B-801 Compressed Conductors of 8000 Series. Aluminum Alloy for Subsequent Covering or Insulations. Triplex 600 Volt secondary UD Cable meets or exceeds all applicable requirements of S-105-682 for cross-linked polyethylene insulated conductors, UL Standard 44 for type RHW-2, and UL Standard 854 for Type USE-2.

	Phase Conductor			Neutral			Diameter (mils)			Allowable Ampacity+	
Code Word	Size AWG	Strand	Insulation Thickness (mils)	Size AWG	Stranding	Insulation Thickness (mils)	Single Phase Conductor	Complete Cable	Weight Per 1000 ft. (lbs)	Direct Burial	In Duct
TRIPLEXED WITH YELLOW EXTRUDED STRIPE NEUTRAL											
Vassar	4	7/w	60	4	7/w	60	345	745	191	125	90
Stephens	2	7/w	60	4	7/w	60	403	870	249	165	120
Ramapo	2	7/w	60	2	7/w	60	403	870	278	165	120
Brenau	1/0	19/w	80	2	7/w	60	512	1106	387	215	160
Converse	2/0	19/w	80	1	19/w	80	555	1199	478	245	180
Sweetbriar	4/0	19/w	80	2/0	19/w	80	658	1421	709	315	240
Monmouth	4/0	19/w	80	4/0	19/w	80	658	1421	796	315	240
Pratt	250	37/w	95	3/0	19/w	80	732	1581	853	345	265
Wake Forest	4/0	37/w	95	2/0	19/w	80	831	1795	1118	415	320
Wesleyan	350	37/w	95	4/0	19/w	80	831	1795	1118	415	320

Ampacity: 90° conductor temperature, 20°C ambient temperature, RHO 90.100% load factor for three conductor triplex, with neutral carrying only unbalanced load.

Ampacity not for NEC applications.

Covered Line Wire Aluminum Conductor

APPLICATION: Used primarily for overhead secondary distribution lines. Not an electrically insulated conductor and is treated as bare conductor when installed.

CONSTRUCTION: Conductors are aluminum alloy 1350-H19,6201-T81, or ACSR conductors, concentrically stranded and covered for weather proofing with polyethylene, high density polyethylene (HD) or cross-linked polyethylene (XLP).

SPECIFICATIONS: Covered Line Wire meets or exceeds the following ASTM specifications: B-230 Aluminum Wire, 1350-H19 for electrical purposes • B-231 Aluminum conductors, Concentric-lay-Stranded • B-232 Aluminum conductors, Concentric-lay-Stranded, Coated Steel Reinforced (ACSR) • B-399 Concentric-lay-Stranded, 6201-T81 Aluminum

Code Word	Size AWG	Strand	Insulation Thickness (mils)	Outside Diameter (in)	Rated Strength (lbs/mft)	Weight		Ampacity (Amps) XLP
						XLP	POLY	
COVERED LINE WIRE-ALUMINUM CONDUCTOR ACSR								
Walnut	6	6/1	30	0.258	1131	49.0	47.0	105
Butternut	4	6/1	30	0.303	1760	71.8	70.0	135
Hickory	4	7/1	30	0.309	2240	81.6	79.8	135
Pignut	2	6/1	45	0.397	2710	118.1	114.8	180
Beech	2	7/1	45	0.405	3460	134.1	130.7	180
Chestnut	1	6/1	45	0.434	3370	145.5	141.8	210
Almond	1/0	6/1	60	0.506	4160	190.4	184.9	235
Pecan	2/0	6/1	60	0.554	5040	234.2	227.9	270
Filbert	3/0	6/1	60	0.607	6290	288.5	281.4	305
Buckeye	4/0	6/1	60	0.666	7930	365.5	348.5	345
Hackberry	266.8	18/1	60	0.711	6540	354.8	346.8	435

'NOTE: The code words as given apply to conventional polyethylene line wire.

The data is approximate and subject to normal manufacturing tolerances.

For 6201, aluminum conductors diameter equivalent to ACSR construction or 1350 aluminum equivalent.

Ampacity ratings based on 75°C conductor temperature 25°C ambient temperature elevation- sea level.

Emissivity 0.91 coefficient of absorption 0.95. Thermal resistivity of covering -375° C-Cm2Iwatt-CM. Wind speed 2ft./sec in sun.

Duplex Overhead (Service Drop) Aluminum Conductor

APPLICATION: To supply 120 volt aerial service for temporary service at construction sites, outdoor or street lighting. For service at 600 volts or lower at a conductor temperature of 75°C maximum.

CONSTRUCTION: Concentric strand or compressed 1350-H19 conductor, polyethylene or cross-linked polyethylene insulation, concentric strand AAC, ACSR, or 6201 alloy neutral messenger.

SPECIFICATIONS: Duplex service drop cable meets or exceeds the following ASTM specifications: B-230 Aluminum Wire, 1350-H19 or electrical purposes • B-231 Aluminum conductors, Concentric-lay-Stranded. • B-232 Aluminum conductors, Concentric-lay-Stranded, Coated Steel Reinforced (ACSR) • B-399 Concentric-lay-Stranded, 6201-T81 Aluminum • Service Drop cable meets or exceeds all applicable requirements of ICEA S-76-474

RUS ACCEPTED

	Phase Conductors			Bare Neutral Messenger			Weight Per 1000 ft. (lbs)		Rating (Amps)	
Code Word	Size AWG	Strand	Insulation Thickness (mls)	Size AWG	Strand	Breaking Strength	XLP	POLY	XLP	POLY
AAC										
Pekingese	6	SOLID	45	6	7/w	563	63.5	61.7	85	70
Collie	6	7/w	45	6	7/w	563	66.8	63.1	85	70
Dachshund	4	SOLID	45	4	7/w	881	95.5	93.4	110	90
Spaniel	4	7/w	45	4	7/w	881	100.5	95.4	110	90
Doberman	2	7/w	45	2	7/w	1,350	152.7	145.7	150	120
Malamute	1/0	19/w	60	1/0	7/w	1,990	242.6	234.2	200	60
ACSR NEUTRAL MESSENGER										
Setter	6	SOLID	45	6	6/1	1,190	75.0	73.2	85	70
Shepherd	6	7/w	45	6	6/1	1,190	78.3	74.6	85	70
Eskimo	4	SOLID	45	4	6/1	1,860	113.7	111.6	110	90
Terrier	4	7/w	45	4	6/1	1,860	118.7	113.6	110	90
Chow	2	7/w	45	2	6/1	2,850	181.7	174.7	150	115
Bull	1/0	19/w	60	1/0	6/1	4,380	288.7	280.3	200	155
6201 ALLOY NEUTRAL MESSENGER										
Chihuahua	6	SOLID	45	6	7/w	1,110	67.6	65.8	85	70
Vizsla	6	7/w	45	6	7/w	1,110	70.9	67.2	85	70
Harrier	4	SOLID	45	4	7/w	1,760	102.0	99.9	110	90
Whippet	4	7/w	45	4	7/w	1,760	107.0	101.9	110	90
Schnauzer	2	7/w	45	2	7/w	2,800	163.3	156.2	150	115
Heeler	1/0	19/w	60	1/0	7/w	4,460	259.2	250.8	200	155

NOTE Designated sizes are ACSR 6/1 diameter equivalent resistivity per ASTM-B-399 for 6201. Conductor temperature of 90C for XLP, 75C for Poly; ambient temperature of 40°C emissivity 0.9; 2ft/sec. Wind in sun.

Triplex Overhead (Service Drop) Aluminum Conductor

APPLICATION: To supply power from the utility lines to the consumer weather head. For service at 600 volts or less (phase to phase) at a conductor temperature of 75°C maximum for polyethylene insulation or 90°C maximum for cross-linked insulation.

CONSTRUCTION: Concentric strand or compressed 1350-H19 conductor, polyethylene or cross-linked polyethylene insulation, concentric strand AAC, ACSR or 6201 alloy neutral messenger.

SPECIFICATIONS: Triplex service drop cable meets or exceeds the following ASTM specifications: B-230 Aluminum Wire, 1350-H19 for electrical purposes • B-231 Aluminum conductors, Concentric-Lay-Stranded • B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced (ACSR) • B-399 Concentric-Lay-Stranded, 6201-T81 Aluminum Service Drop cable meets or exceeds all applicable requirements of ICEA S-76-474.

RUS ACCEPTED

	Phase Conductor			Bare Neutral Messanger			Weight Per 1000 ft. (lbs)		Ampacity (Amps)	
Code Word	Size AWG	Strand	Insulation Thickness (mls)	Size AWG	Strand	Breaking Strength (lbs)	XLP	POLY	XLP	POLY
6201 ALLOY NEUTRAL MESSENGER										
Minex	6	Solid	45	6	7/w	1,110	106.6	102.9	85	70
Hippa	6	7/w	45	6	7/w	1,110	107.0	105.7	85	70
Prawn	4	Solid	45	4	7/w	1,760	158.4	154.1	110	90
Barnacles	4	7/w	45	4	7/w	1,760	160.0	157.0	110	90
Shrimp	2	7/w	45	2	7/w	2,800	243.0	238.0	150	115
Gammarus	1/0	7/w	60	1/0	7/w	4,460	390.0	384.0	200	155
Leda	1/0	19/w	60	1/0	7/w	4,460	384.0	378.0	200	155
Dungeness	2/0	7/w	60	2/0	7/w	5,390	481.0	474.0	230	180
Cyclops	2/0	19/w	60	2/0	7/w	5,390	473.0	467.0	230	180
Flustra	3/0	19/w	60	3/0	7/w	6,790	596.0	589.1	260	205
Lepas	4/0	19/w	60	4/0	7/w	8,560	725.0	716.0	300	235
6201 ALLOY REDUCED NEUTRAL MESSENGER										
Artemia	4	Solid	45	6	7/w	1,110	134.0	132.0	110	90
Crab	4	7/w	45	6	7/w	1,110	144.0	141.2	110	90
Solaster	2	7/w	45	4	7/w	1,760	216.0	212.6	150	115
Sandcrab	1/0	7/w	60	2	7/w	2,800	348.0	341.0	200	155
Echinus	1/0	19/w	60	2	7/w	2,800	342.0	336.0	200	155
Crayfish	2/0	7/w	60	1	7/w	3,530	452.6	422.5	230	180
Sipho	2/0	19/w	60	1	7/w	3,530	441.0	422.5	230	180
Fulgar	3/0	19/w	60	1/0	7/w	4,460	525.0	518.0	260	205
Arca	4/0	19/w	60	2/0	7/w	5,390	640.0	632.0	300	235

(continued on pg 16)

PRIORITY WIRE & CABLE, INC.

Triplex Overhead (Service Drop) Aluminum Conductor (continued)

	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft. (lbs)		Ampacity (Amps)	
Code Word	Size AWG	Strand	Insulation Thickness (mils)	Size AWG	Strand	Breaking Strength (lbs)	XLP	POLY	XLP	POLY
AAC NEUTRAL MESSENGER										
Haiotis	6	Solid	45	6	7/w	563	102.5	98.8	85	70
Patella	6	7/w	45	6	7/w	563	104.0	101.6	85	70
Fusus	4	Solid	45	4	7/w	881	151.9	147.6	110	90
Oyster	4	7/w	45	4	7/w	881	154.0	151.7	110	90
Clam	2	7/w	45	2	7/w	1,350	232.0	228.0	150	115
Murex	1/0	7/w	60	1/0	7/w	1,990	374.0	367.0	200	155
Purpura	1/0	19/w	60	1/0	7/w	1,990	368.0	362.0	200	155
Nassa	2/0	7/w	60	2/0	7/w	2,510	461.0	453.0	230	180
Melita	3/0	19/w	60	3/0	19/w	3,310	585.2	562.9	260	205
Portunus	4/0	19/w	60	4/0	19/w	4,020	693.0	684.0	300	235
Nannynose	336	19/w	80	336	19/w	6,146	1111.0	1096.0	380	290
FULL SIZE ACSR MESSENGER										
Paludina	6	Solid	45	6	6/1	1,190	114.0	113.0	85	70
Valuta	6	7/w	45	6	6/1	1,190	115.0	112.0	85	70
Whelk	4	Solid	45	4	6/1	1,860	163.0	161.0	110	90
Periwinkle	4	7/w	45	4	6/1	1,860	172.0	169.0	110	90
Conch	2	7/w	45	2	6/1	2,850	262.0	257.0	150	115
Neritina	1/0	7/w	60	1/0	6/1	4,380	420.0	414.0	200	155
Cenia	1/0	19/w	60	1/0	6/1	4,380	414.0	408.0	200	155
Runcina	2/0	7/w	60	2/0	6/1	5,310	519.0	512.0	230	180
Triton	2/0	19/w	60	2/0	6/1	5,310	511.0	505.0	230	180
Cherrystone	3/0	7/w	60	3/0	6/1	6,620	656.0	643.0	260	205
Mursia	3/0	19/w	60	3/0	6/1	6,620	633.0	626.0	260	205
Razor	4/0	7/w	60	4/0	6/1	8,350	814.0	799.0	300	235
Zuzara	4/0	19/w	60	4/0	6/1	8,350	785.0	777.0	300	235
Limpet	336	19/w	80	336	18/1	8,680	1161.0	1147.0	380	290
ACSR REDUCED SIZE MESSENGER										
Scallop	4	Solid	45	6	6/1	1,190	142.0	139.0	110	90
Strombus	4	7/w	45	6	6/1	1,190	151.0	148.0	110	90
Cockle	2	7/w	45	4	6/1	1,860	228.0	224.0	150	115
Janthina	1/0	7/w	60	2	6/1	2,850	367.0	360.0	200	155
Ranella	1/0	19/w	60	2	6/1	2,850	361.0	356.0	200	155
Cavolinia	2/0	7/w	60	1	6/1	3,550	452.0	444.0	230	180
Clio	2/0	19/w	60	1	6/1	3,550	444.0	437.0	230	180
Sanddollar	3/0	7/w	60	1/0	6/1	4,380	570.0	557.0	260	205
Aega	3/0	19/w	60	1/0	6/1	4,380	565.0	552.0	260	205
Cuttlefish	4/0	7/w	60	2/0	6/1	5,310	706.0	691.0	300	235
Cerapus	4/0	19/w	60	2/0	6/1	5,310	678.0	670.0	300	235
Cowry	336	19/w	80	4/0	6/1	8,350	1135.0	1093.0	380	290

Quadruplex Overhead (Service Drop) Aluminum Conductor

APPLICATION: Used to supply 3 phase power, usually from a pole-mounted transformer, to the user's service head where connection to the service entrance cable is made. To be used at voltages of 600 volts or less phase to phase and at conductor temperatures not to exceed 75°C for polyethylene insulated conductors or 90°C for cross-linked-polyethylene (XLP) insulated conductors.

CONSTRUCTION: Conductors are concentrically stranded, compressed 1350-H19 aluminum Insulated with either polyethylene or XLP cross-linked-polyethylene. Neutral messengers are concentrically stranded 6201, AAC, or ACSR.

SPECIFICATIONS: Quadruplex service drop cable meets or exceeds the following ASTM specifications: B-230 Aluminum Wire, 1350-H19 for electrical purposes. B-231 Aluminum conductors, Concentric-Lay-Stranded. B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced (ACSR) B-399 Concentric-Lay-Stranded, 6201-T81 Aluminum. Service Drop cable meets or exceeds all applicable requirements of ICEA S-76-474.

RUS ACCEPTED

	Phase Conductors			Bare Neutral Messenger			Weight Per 1000 ft. (lbs)		Ampacity (Amps)	
Code Word	Size AWG	Strand	Insulation Thickness (mils)	Size AWG	Strand	Breaking Strength (lbs)	XLP	POLY	XLP	POLY
AAC - NEUTRAL MESSENGER										
Clydesdale	4	Solid	45	4	7/w	881	208	201	100	80
Pinto	4	7/w	45	4	7/w	881	223	207	100	80
Mustang	2	7/w	45	2	7/w	1,350	333	312	135	105
Griollo	1/0	19/w	60	1/0	7/w	1,990	529	504	180	135
Percheron	2/0	19/w	60	2/0	7/w	2,510	649	620	205	155
Hanoverian	3/0	19/w	60	3/0	19/w	3,310	799	765	235	180
Oldenburg	4/0	19/w	60	4/0	19/w	4,020	986	946	270	205
Lippizaner	336.4	19/w	80	336.4	19/w	6,146	1546	1,519	330	240
ACSR - NEUTRAL MESSENGER										
Morchuca	6	Solid	45	6	6/1	1,190	152	147	75	60
Chola	6	7/w	45	6	6/1	1,190	162	151	75	60
Morgan	4	Solid	45	4	6/1	1,860	226	220	100	80
Hackney	4	7/w	45	4	6/1	1,860	241	226	100	80
Palomino	2	7/w	45	2	6/1	2,850	362	342	135	105
Costena	1/0	19/w	60	1/0	6/1	4,380	575	550	180	135
Grullo	2/0	19/w	60	2/0	6/1	5,310	707	678	205	155
Suffolk	3/0	19/w	60	3/0	6/1	6,620	872	838	235	180
Appaloosa	4/0	19/w	60	4/0	6/1	8,350	1079	1,039	270	205
Bronco	336.4	19/w	80	336.4	18/1	8,580	1613	1,568	330	240
Gelding	336.4	19/w	80	4/0	6/1	8,350	1548	1,494	330	240
Hurricane	500	37/w	80	336.4	26/7	8,580	2196	2186	458	398
6201 - ALLOY NEUTRAL MESSENGER										
Bay	6	Solid	45	6	7/w	1,110	145	140	75	60
French Coach	6	7/w	45	6	7/w	1,110	155	144	75	60
German Coach	4	Solid	45	4	7/w	1,760	214	208	100	80
Arabian	4	7/w	45	4	7/w	1,760	229	214	100	80
Belgian	2	7/w	45	2	7/w	2,800	344	323	135	105
Shetland	1/0	19/w	60	1/0	7/w	4,460	546	521	180	135
Thoroughbred	2/0	19/w	60	2/0	7/w	5,390	670	641	205	155
Trotter	3/0	19/w	60	3/0	7/w	6,790	825	791	235	180
Walking	4/0	19/w	60	4/0	7/w	8,560	1019	979	270	205

NOTE. Designated sizes are. ACSR 6/1 diameter equivalent and AAC with equivalent resistivity per ASTM B-399 for 6201. Conductor temperature of 90°C for XLP, 75°C for poly; ambient temp, of 40°C; emissivity 0.9; 2ft/sec/wind in sun.

1-800-945-5542
www.prioritywire.com

PRIORITY WIRE & CABLE, INC.

15-35kV TR-XLPE URD

Description: Single conductor cable with solid or filled strand aluminum or copper conductors, triple extruded insulation system consisting of a thermosetting semiconducting conductor shield, high dielectric strength TRXLPE insulation, thermosetting semiconducting insulation shield, copper concentric neutral wires, water swellable agents, black encapsulating linear low-density polyethylene (LLDPE) jacket.
Conductor: Solid or Class B Compressed concentric strand aluminum alloy 1350 or soft drawn annealed copper per ASTM. Stranded conductors are water-blocked with conductor filling compound.
Conductor Shield: Extruded thermosetting semiconducting shield which is free stripping from the conductor and bonded to the insulation.
Insulation: Natural high dielectric TRXLPE insulation, exhibiting an optimum balance of mechanical and electrical properties, assuring resistance to treeing.
Insulation Shield: Extruded thermosetting semiconducting shield with controlled adhesion to the insulation providing the required balance between electrical integrity and ease of stripping.
Metallic Shield: Solid bare copper wires, helically applied and uniformly spaced.
Jacket: Black insulating sunlight resistant linear low density polyethylene encapsulating the neutral wires with three extruded red stripes and NESC lightning bolt symbol. Sequential footage markings.
Specifications: Cable meets ICEA S-94-649, AEIC C58. ASTM: B3, B5, B8, B230, B231, B609
RUS ACCEPTED

Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)	Zero Sequence Impedance Reactance (μΩ/ft)	Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)	Zero Sequence Impedance Reactance (μΩ/ft)
			(A)	(B)	(C)	(D)			90°C in Duct					90°C Direct Buried				
15KV 100% ALUMINUM SINGLE PHASE - FULL NEUTRAL																		
2 SOLID AL	175	10-#14	0.258	0.65	0.72	0.96	456	8	123	663	29	663	30	169	663	29	663	30
2 AWG AL	175	10-#14	0.284	0.68	0.75	0.99	475	8	124	669	30	669	31	170	669	30	669	31
1 SOLID AL	175	13-#14	0.289	0.69	0.75	0.99	521	8	141	518	28	518	29	193	518	28	518	29
1 AWG AL	175	13-#14	0.324	0.72	0.79	1.03	545	9	143	523	27	523	28	194	523	27	523	28
1/0 SOLID AL	175	16-#14	0.325	0.72	0.79	1.03	593	9	160	415	27	415	27	219	415	27	415	27
1/0 AWG AL	175	16-#14	0.364	0.76	0.83	1.07	621	9	162	420	26	420	26	220	420	26	420	26
2/0 AWG AL	175	13-#12	0.408	0.80	0.87	1.14	748	10	186	328	25	328	25	251	328	25	328	25
3/0 AWG AL	175	16-#12	0.458	0.85	0.92	1.19	864	10	212	263	24	263	24	284	263	24	263	24
4/0 AWG AL	175	13-#10	0.515	0.91	0.98	1.29	1055	11	243	207	23	207	23	323	207	23	207	23
250 MCM AL	175	16-#10	0.561	0.97	1.03	1.35	1228	11	270	171	22	171	22	358	171	22	171	22
350 MCM AL	175	16-#9	0.664	1.07	1.16	1.49	1556	12	321	130	21	130	20	420	130	21	130	20
15KV 100% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL																		
2 SOLID AL	175	6-#14	0.258	0.65	0.72	0.96	409	8	126	329	51	872	30	175	338	103	857	30
2 AWG AL	175	6-#14	0.284	0.68	0.75	0.99	429	8	126	335	51	879	31	175	344	102	865	31
1 SOLID AL	175	6-#14	0.289	0.69	0.75	0.99	440	8	143	261	49	805	29	199	270	100	791	29
1 AWG AL	175	6-#14	0.324	0.72	0.79	1.03	463	9	144	266	48	811	28	199	275	98	798	28
1/0 SOLID AL	175	6-#14	0.325	0.72	0.79	1.03	476	9	163	207	47	752	27	225	216	98	739	27
1/0 AWG AL	175	6-#14	0.364	0.76	0.83	1.07	504	9	163	212	46	758	26	225	221	96	745	26
2/0 AWG AL	175	7-#14	0.408	0.80	0.87	1.11	564	9	186	168	44	637	25	255	178	93	627	25
3/0 AWG AL	175	9-#14	0.458	0.85	0.92	1.16	646	10	212	133	43	498	24	286	145	89	491	24
4/0 AWG AL	175	11-#14	0.515	0.91	0.98	1.22	740	10	241	106	41	405	23	320	120	86	400	23
250 MCM AL	175	13-#14	0.561	0.97	1.03	1.27	836	11	265	91	40	343	21	345	106	82	339	21
350 MCM AL	175	18-#14	0.664	1.07	1.16	1.39	1068	12	319	66	38	247	19	398	84	76	245	19
500 MCM AL	175	16-#12	0.794	1.20	1.29	1.56	1407	13	385	48	37	174	18	451	68	67	173	18
750 MCM AL	175	24-#12	0.974	1.39	1.47	1.81	1985	15	468	35	35	117	16	507	57	55	116	16
1000 MCM AL	175	20-#10	1.124	1.54	1.65	2.03	2568	17	529	28	33	89	16	549	49	47	88	16

15-35kV TR-XLPE URD (continued)

Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)	Zero Sequence Impedance Reactance (μΩ/ft)	Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)	Zero Sequence Impedance Reactance (μΩ/ft)
			(A)	(B)	(C)	(D)			90°C in Duct					90°C Direct Buried				
15 KV 133% ALUMINUM SINGLE PHASE - FULL NEUTRAL																		
2 SOLID AL	220	10-#14	0.258	0.74	0.81	1.05	514	9	123	663	29	663	30	169	663	29	663	30
2 AWG AL	220	10-#14	0.284	0.77	0.84	1.08	535	9	124	669	30	669	31	170	669	30	669	31
1 SOLID AL	220	13-#14	0.289	0.78	0.84	1.08	581	9	141	518	28	518	29	193	518	28	518	29
1 AWG AL	220	13-#14	0.324	0.81	0.88	1.12	607	9	143	523	27	523	28	194	523	27	523	28
1/0 SOLID AL	220	16-#14	0.325	0.81	0.88	1.12	655	9	160	415	27	415	27	219	415	27	415	27
1/0 AWG AL	220	16-#14	0.364	0.85	0.92	1.16	685	10	162	420	26	420	26	220	420	26	420	26
2/0 AWG AL	220	13-#12	0.408	0.89	0.96	1.23	817	10	186	328	25	328	25	251	328	25	328	25
3/0 AWG AL	220	16-#12	0.458	0.94	1.01	1.28	935	11	212	263	24	263	24	284	263	24	263	24
4/0 AWG AL	220	13-#10	0.515	1.00	1.07	1.38	1132	12	243	207	23	207	23	323	207	23	207	23
250MCMAL	220	16-#10	0.561	1.06	1.14	1.46	1330	12	270	171	22	171	22	358	171	22	171	22
350 MCM AL	220	16-#9	0.664	1.16	1.25	1.58	1645	13	321	130	21	130	20	420	130	21	130	20
15KV 133% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL																		
2 SOLID AL	220	6-#14	0.258	0.74	0.81	1.05	467	9	126	329	51	872	30	175	338	103	857	30
2 AWG AL	220	6-#14	0.284	0.77	0.84	1.08	488	9	126	335	51	879	31	175	344	102	865	31
1 SOLID AL	220	6-#14	0.289	0.78	0.84	1.08	499	9	143	261	49	805	29	199	270	100	791	29
1 AWG AL	220	6-#14	0.324	0.81	0.88	1.12	525	9	144	266	48	811	28	199	275	98	798	28
1/0 SOLID AL	220	6-#14	0.325	0.81	0.88	1.12	538	9	163	207	47	752	27	225	216	98	739	27
1/0 AWG AL	220	6-#14	0.364	0.85	0.92	1.16	568	10	163	212	46	758	26	225	221	96	745	26
2/0 AWG AL	220	7-#14	0.408	0.89	0.96	1.20	630	10	186	168	44	637	25	255	178	93	627	25
3/0 AWG AL	220	9-#14	0.458	0.94	1.01	1.25	715	11	212	133	43	498	24	286	145	89	491	24
4/0 AWG AL	220	11-#14	0.515	1.00	1.07	1.31	813	11	241	106	41	405	23	320	120	86	400	23
250 MCM AL	220	13-#14	0.561	1.06	1.14	1.38	932	12	265	91	40	343	21	345	106	82	339	21
350 MCM AL	220	18-#14	0.664	1.16	1.25	1.48	1150	12	319	66	38	247	19	398	84	76	245	19
500 MCM AL	220	16-#12	0.794	1.29	1.38	1.71	1563	14	385	48	37	174	18	451	68	67	173	18
750 MCM AL	220	24-#12	0.974	1.48	1.56	1.90	2091	16	468	35	35	117	16	507	57	55	116	16
1000 MCM AL	220	20-#10	1.124	1.63	1.74	2.12	2687	17	529	28	33	89	16	549	49	47	88	16
25KV 100% ALUMINUM SINGLE PHASE - FULL NEUTRAL																		
1 SOLID AL	260	13-#14	0.289	0.86	0.92	1.16	638	10	145	518	33	518	33	192	518	33	518	33
1 AWG AL	260	13-#14	0.324	0.89	0.96	1.20	666	10	146	523	31	523	32	194	523	31	523	32
1/0 SOLID AL	260	16-#14	0.325	0.89	0.96	1.20	714	10	165	415	31	415	31	218	415	31	415	31
1/0 AWG AL	260	16-#14	0.364	0.93	1.00	1.24	746	10	166	420	30	420	30	219	420	30	420	30
2/0 AWG AL	260	13-#12	0.408	0.97	1.04	1.31	882	11	190	328	29	328	29	250	328	29	328	29
3/0 AWG AL	260	16-#12	0.458	1.02	1.11	1.38	1023	12	217	263	28	263	28	283	263	28	263	28
4/0 AWG AL	260	13-#10	0.515	1.08	1.17	1.48	1227	12	248	207	26	207	27	322	207	26	207	27
250 MCM AL	260	16-#10	0.561	1.14	1.22	1.54	1406	13	276	171	25	171	25	356	171	25	171	25
350 MCM AL	260	16-#9	0.664	1.24	1.33	1.72	1792	14	326	130	23	130	23	416	130	23	130	23
25KV 100% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL																		
1 SOLID AL	260	6-#14	0.289	0.86	0.92	1.16	556	10	146	261	53	801	33	196	269	101	786	33
1 AWG AL	260	6-#14	0.324	0.89	0.96	1.20	584	10	146	266	52	807	32	196	274	99	792	32
1/0 SOLID AL	260	6-#14	0.325	0.89	0.96	1.20	597	10	166	207	51	748	31	222	215	98	734	31
1/0 AWG AL	260	6-#14	0.364	0.93	1.00	1.24	629	10	166	212	50	754	30	222	220	96	740	30
2/0 AWG AL	260	7-#14	0.408	0.97	1.04	1.28	694	11	189	168	48	634	29	251	177	93	622	29
3/0 AWG AL	260	9-#14	0.458	1.02	1.11	1.35	801	11	216	133	46	495	27	283	144	90	487	27
4/0 AWG AL	260	11-#14	0.515	1.08	1.17	1.41	902	12	245	106	45	403	26	317	119	86	397	26

15-35kV TR-XLPE URD (continued)

Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)	Zero Sequence Impedance Reactance (μΩ/ft)	Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)	Zero Sequence Impedance Reactance (μΩ/ft)
			(A)	(B)	(C)	(D)			90°C in Duct					90°C Direct Buried				
25KV 100% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL (CONTINUED)																		
250 MCM AL	260	13-#14	0.561	1.14	1.22	1.46	1004	12	269	90	43	341	25	343	104	83	337	25
350 MCM AL	260	18-#14	0.664	1.24	1.33	1.56	1228	13	322	66	41	246	23	397	82	76	244	23
500 MCM AL	260	16-#12	0.794	1.37	1.46	1.79	1652	15	389	48	40	173	21	451	67	68	172	21
750 MCM AL	260	24-#12	0.974	1.56	1.67	2.01	2234	17	473	34	37	116	19	513	55	57	116	19
1000 MCM AL	260	20-#10	1.124	1.71	1.82	2.20	2797	18	533	28	35	88	18	555	48	49	88	18
25KV 133% ALUMINUM SINGLE PHASE - FULL NEUTRAL																		
1 SOLID AL	320	13-#14	0.289	0.98	1.05	1.29	735	11	145	518	33	518	33	192	518	33	518	33
1 AWG AL	320	13-#14	0.324	1.01	1.08	1.32	765	11	146	523	31	523	32	194	523	31	523	32
1/0 SOLID AL	320	16-#14	0.325	1.02	1.08	1.32	813	11	165	415	31	415	31	218	415	31	415	31
1/0 AWG AL	320	16-#14	0.364	1.05	1.14	1.38	869	12	166	420	30	420	30	219	420	30	420	30
2/0 AWG AL	320	13-#12	0.408	1.10	1.19	1.46	1012	12	190	328	29	328	29	250	328	29	328	29
3/0 AWG AL	320	16-#12	0.458	1.15	1.24	1.51	1137	13	217	263	28	263	28	283	263	28	263	28
4/0 AWG AL	320	13-#10	0.515	1.21	1.29	1.61	1349	13	248	207	26	207	27	322	207	26	207	27
250 MCM AL	320	16-#10	0.561	1.26	1.35	1.72	1597	14	276	171	25	171	25	356	171	25	171	25
350 MCM AL	320	16-#9	0.664	1.36	1.45	1.85	1934	15	326	130	23	130	23	416	130	23	130	23
25KV 133% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL																		
1 SOLID AL	320	6-#14	0.289	0.98	1.05	1.29	653	11	146	261	53	801	33	196	269	101	786	33
1 AWG AL	320	6-#14	0.324	1.01	1.08	1.32	683	11	146	266	52	807	32	196	274	99	792	32
1/0 SOLID AL	320	6-#14	0.325	1.02	1.08	1.32	696	11	166	207	51	748	31	222	215	98	734	31
1/0 AWG AL	320	6-#14	0.364	1.05	1.14	1.38	752	12	166	212	50	754	30	222	220	96	740	30
2/0 AWG AL	320	7-#14	0.408	1.10	1.19	1.42	821	12	189	168	48	634	29	251	177	93	622	29
3/0 AWG AL	320	9-#14	0.458	1.15	1.24	1.47	912	12	216	133	46	495	27	283	144	90	487	27
4/0 AWG AL	320	11-#14	0.515	1.21	1.29	1.53	1018	13	245	106	45	403	26	317	119	86	397	26
250 MCM AL	320	13-#14	0.561	1.26	1.35	1.59	1125	13	269	90	43	341	25	343	104	83	337	25
350 MCM AL	320	18-#14	0.664	1.36	1.45	1.75	1422	14	322	66	41	246	23	397	82	76	244	23
500 MCM AL	320	16-#12	0.794	1.49	1.58	1.91	1797	16	389	48	40	173	21	451	67	68	172	21
750 MCM AL	320	24-#12	0.974	1.68	1.80	2.13	2398	18	473	34	37	116	19	513	55	57	116	19
1000 MCM AL	320	20-#10	1.124	1.83	1.95	2.32	2975	19	533	28	35	88	18	555	48	49	88	18
35KV 100% ALUMINUM SINGLE PHASE - FULL NEUTRAL																		
1/0 SOLID AL	345	16-#14	0.325	1.07	1.15	1.39	877	12	168	415	35	415	35	217	415	35	415	35
1/0 AWG AL	345	16-#14	0.364	1.10	1.19	1.43	914	12	169	420	34	420	34	218	420	34	420	34
2/0 AWG AL	345	13-#12	0.408	1.15	1.24	1.51	1059	13	194	328	32	328	33	249	328	32	328	33
3/0 AWG AL	345	16-#12	0.458	1.20	1.29	1.56	1186	13	220	263	31	263	31	283	263	31	263	31
4/0 AWG AL	345	13-#10	0.515	1.26	1.34	1.72	1465	14	252	207	30	207	30	321	207	30	207	30
250 MCM AL	345	16-#10	0.561	1.31	1.40	1.77	1653	15	280	171	28	171	28	353	171	28	171	28
350 MCM AL	345	16-#9	0.664	1.41	1.50	1.90	1993	16	331	130	26	130	26	416	130	26	130	26

15-35kV TR-XLPE URD (continued)

Conductor	Insulation Thickness (mils)	Concentric Neutral	Conductor Diameter (in)	Insulation Diameter (in)	Insulation Shield Diameter (in)	Jacket Diameter (in)	Cable Weight (lbs/kft)	Minimum Bending Radius (in)	Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)	Zero Sequence Impedance Reactance (μΩ/ft)	Ampacity (Amps)	+/- Sequence Impedance Resistance (μΩ/ft)	+/- Sequence Impedance Reactance (μΩ/ft)	Zero Sequence Impedance Resistance (μΩ/ft)	Zero Sequence Impedance Reactance (μΩ/ft)
			(A)	(B)	(C)	(D)			90°C in Duct					90°C Direct Buried				
35KV 100% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL																		
1/0 SOLID AL	345	6-#14	0.325	1.07	1.15	1.39	760	12	168	207	54	745	35	219	214	98	729	35
1/0 AWG AL	345	6-#14	0.364	1.10	1.19	1.43	797	12	168	212	53	751	34	219	219	96	736	34
2/0 AWG AL	345	7-#14	0.408	1.15	1.24	1.47	867	12	191	168	51	631	32	248	176	93	618	32
3/0 AWG AL	345	9-#14	0.458	1.20	1.29	1.52	960	13	218	133	49	493	31	280	143	90	485	31
4/0 AWG AL	345	11-#14	0.515	1.26	1.34	1.58	1068	13	247	106	47	401	29	314	117	86	395	29
250 MCM AL	345	13-#14	0.561	1.31	1.40	1.70	1239	14	271	90	47	340	28	339	103	83	335	28
350MCMAL	345	18-#14	0.664	1.41	1.50	1.80	1478	15	325	66	44	245	25	394	81	77	243	25
500 MCM AL	345	16-#12	0.794	1.54	1.66	1.99	1904	16	392	48	42	173	24	452	65	69	171	24
750 MCM AL	345	24-#12	0.974	1.73	1.85	2.18	2466	18	476	34	39	116	21	517	54	59	115	21
1000 MCM AL	345	20-#10	1.124	1.88	2.00	2.37	3050	19	536	28	37	88	20	560	47	51	88	20
35KV 133% ALUMINUM SINGLE PHASE - FULL NEUTRAL																		
1/0 SOLID AL	420	16-#14	0.325	1.22	1.31	1.55	1021	13	168	415	35	415	35	217	415	35	415	35
1/0 AWG AL	420	16-#14	0.364	1.26	1.35	1.58	1062	13	169	420	34	420	34	218	420	34	420	34
2/0 AWG AL	420	13-#12	0.408	1.30	1.39	1.72	1279	14	194	328	32	328	33	249	328	32	328	33
3/0 AWG AL	420	16-#12	0.458	1.35	1.44	1.77	1412	15	220	263	31	263	31	283	263	31	263	31
4/0 AWG AL	420	13-#10	0.515	1.41	1.50	1.87	1641	15	252	207	30	207	30	321	207	30	207	30
250 MCM AL	420	16-#10	0.561	1.46	1.55	1.93	1834	16	280	171	28	171	28	353	171	28	171	28
350 MCM AL	420	16-#9	0.664	1.57	1.68	2.08	2234	17	331	130	26	130	26	416	130	26	130	26
35KV 133% ALUMINUM THREE PHASE - ONE THIRD NEUTRAL																		
1/0 SOLID AL	420	6-#14	0.325	1.22	1.31	1.55	904	13	168	207	54	745	35	219	214	98	729	35
1/0 AWG AL	420	6-#14	0.364	1.26	1.35	1.58	945	13	168	212	53	751	34	219	219	96	736	34
2/0 AWG AL	420	7-#14	0.408	1.30	1.39	1.63	1019	14	191	168	51	631	32	248	176	93	618	32
3/0 AWG AL	420	9-#14	0.458	1.35	1.44	1.74	1182	14	218	133	49	493	31	280	143	90	485	31
4/0 AWG AL	420	11-#14	0.515	1.41	1.50	1.80	1297	15	247	106	47	401	29	314	117	86	395	29
250 MCM AL	420	13-#14	0.561	1.46	1.55	1.85	1412	15	271	90	47	340	28	339	103	83	335	28
350 MCM AL	420	18-#14	0.664	1.57	1.68	1.98	1706	16	325	66	44	245	25	394	81	77	243	25
500 MCM AL	420	16-#12	0.794	1.70	1.81	2.15	2107	18	392	48	42	173	24	452	65	69	171	24
750 MCM AL	420	24-#12	0.974	1.88	2.00	2.33	2687	19	476	34	39	116	21	517	54	59	115	21
1000 MCM AL	420	20-#10	1.124	2.03	2.15	2.53	3290	21	536	28	37	88	20	560	47	51	88	20

Single Phase Operation (Full Neutral Design)
In Duct: One single cable in plastic duct, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.
Direct Buried: One single cable, direct-buried, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

Three Phase Operation (1/3 Neutral Design)
In Duct: Three single cables in plastic duct, direct-buried in a triangular configuration, 90°C conductor temperature, 20°C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.
Direct Buried: Three single cables, direct-buried, spaced 7.5 inches horizontally, 90°C conductor temperature, 20"C ambient temperature, earth RHO of 90°C-cm/Watt, 100% load factor, 36 inch depth of burial, and shields short-circuited.

General Purpose Control Cable (20/10)

APPLICATION: General Purpose Control Cable is used in industrial and utility applications. Used for the interconnection and operation of protective devices. It can be installed in open air, in ducts or conduit, in trays or troughs, and direct burial.

SPECIFICATIONS: Construction: Insulated, stranded copper conductors, two conductor flat, three conductors or more are twisted with fillers to make round. • Polyester tape with a PVC jacket overall • Insulation: 20mils clear high molecular weight polyethylene and 10mils full color coded PVC jacket. • Rated 600 Volts at 75°C. • Meets the ICEA Dub. No. S-73-532, NEMA Pub. No. WC57, and ASTM Spec. D-1248 for control cables.

No. of Conductors	Overall PVC Jacket Mils	Nominal Diameter (inches)	Approx. Net Weight (lbs/1000ft.)
#10 AWG - 7 STRAND			
1	(1)	0.21	45
2 Flat	45	.28x.46	115
3	45	0.49	165
4	60	0.57	230
5	60	0.62	280
6	60	0.67	320
7	60	0.67	355
8	60	0.73	415
9	60	0.79	475
10	80	0.89	535
11	80	0.89	580
12	80	0.92	615
13	80	0.94	670
14	80	0.97	710
15	80	1.02	760
16	80	1.02	800
17	80	1.07	870
18	80	1.07	895
19	80	1.07	920
20	80	1.13	980
23	80	1.18	1125
25	80	1.26	1250
27	80	1.28	1330
29	80	1.3	1370
31	80	1.36	1510
32	80	1.38	1565
37	80	1.44	1755
#12 AWG - 7 STRAND			
1	(1)	0.19	30
2 Flat	45	.25 x .41	80
3	45	0.43	120
4	45	0.48	150
5	45	0.52	180
6	60	0.6	220
7	60	0.6	250
8	60	0.65	290
9	60	0.69	330
10	60	0.75	360
11	60	0.75	385
12	60	0.78	405
13	60	0.79	445
14	60	0.82	470
15	60	0.9	550
16	80	0.9	560
17	80	0.95	610
18	80	0.95	625

No. of Conductors	Overall PVC Jacket Mils	Nominal Diameter (inches)	Approx. Net Weight (lbs/1000ft.)
#12 AWG - 7 STRAND (CONTINUED)			
19	80	0.95	640
20	80	1	685
23	80	1.04	775
25	80	1.11	840
27	80	1.13	900
29	80	1.14	950
31	80	1.19	1015
32	80	1.21	1055
37	80	1.26	1210
#14 AWG - 7 STRAND			
1	(1)	0.17	20
2 Flat	45	.23x.37	65
3	45	0.39	90
4	45	0.43	110
5	45	0.47	135
6	45	0.51	155
7	45	0.51	170
8	60	0.59	215
9	60	0.62	245
10	60	0.68	260
11	60	0.68	280
12	60	0.7	295
13	60	0.71	320
14	60	0.73	335
15	60	0.77	370
16	60	0.77	380
17	60	0.81	405
18	60	0.81	420
19	60	0.81	435
20	80	0.9	490
23	80	0.94	575
25	80	0.99	605
27	80	1.01	665
29	80	1.02	705
31	80	1.07	750
32	80	1.09	775
37	80	1.13	840

Notes:

1. Single conductor 30mils high molecular weight polyethylene insulation & 15mils polyvinyl chloride jacket, no further covering.

2. Single conductor not recommended for direct earth burial.

3. Color Coding per TECH 1005.

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XLP/CPE Control Cable Multi Conductor
(Industrial Tray Cable)

CONDUCTOR: Tinned, annealed copper per ASTM B33. Class B stranding per ASTM B8.
SIZES: #14 AWG - #10AWG
INSULATION: Extruded flame-retardant cross-linked polyolefin (XLP).
CABLE: Conductors cabled together with fillers as needed to form a round core. A binder tape is applied over the core.
COLOR CODE: E1 per ICEAS-73-532 Table E1 (Old K1) - E2 per ICEA 5-73-532 Table E2 (Old K2).
JACKET: Flame-retardant sunlight-resistant, Chlorinated Polyethylene (CPE).
OPTIONS: Available with class K standing per ASTM B174. Available with class H standing per ASTM B173. Available with bare copper conductors. Available with copper tape shield.

APPLICATION/INSTALLATION: For use as a 600 volt, multi conductor control cable where flame-retardance, and moisture/chemical resistance is critical. Cable can be installed in free air, in raceways or direct burial. The cable is also approved for wet or dry locations as well as Class 1 Division II industrial hazardous locations per NEC SOI-4(b) for (UL) Type tray cables (TC).

FEATURES AND BENEFITS: Temperature rating of 90°C (wet or dry). Insulation provides excellent electrical, thermal, and physical properties, excellent flame resistance and resistance to crush, compression, cuts and heat deformation. Also conductor insulation provides good low temperature (-40°C) cold bend characteristics

AWG	Number of Conductors	Insulation Thickness (in)	Jacket Thickness (in)	Overall Diameter (in)	Weight lbs/1000 ft
14*	2	0.030	0.045	.235 x .365	74
14	3	0.030	0.045	0.378	96
14	4	0.030	0.045	0.403	129
14	5	0.030	0.045	0.440	149
14	7	0.030	0.045	0.492	195
14	9	0.030	0.060	0.600	265
14	12	0.030	0.060	0.670	338
14	15	0.030	0.060	0.725	410
14	19	0.030	0.060	0.780	508
14	25	0.030	0.080	0.950	600
14	37	0.030	0.080	1.096	1011
12*	2	0.030	0.045	.25 x .41	98
12	3	0.030	0.045	0.427	131
12	4	0.030	0.045	0.466	170
12	5	0.030	0.045	0.511	198
12	7	0.030	0.060	0.588	284
12	9	0.030	0.060	0.684	361
12	12	0.030	0.060	0.768	469
12	15	0.030	0.080	0.865	603
12	19	0.030	0.080	0.937	731
12	25	0.030	0.080	1.082	984
12	37	0.030	0.080	1.220	1361
10*	2	0.030	0.045	.275 x .46	137
10	3	0.030	0.045	0.440	192
10	4	0.030	0.060	0.544	249
10	5	0.030	0.060	0.580	293
10	7	0.030	0.060	0.650	398
10	9	0.030	0.060	0.762	509
10	12	0.030	0.080	0.893	691
10	15	0.030	0.080	0.960	735
10	19	0.030	0.080	1.060	910
10	25	0.030	0.080	1.190	1170
10	37	0.030	0.080	1.410	1680

(continued on pg 24)

****Flat Construction***

XLP/CPE Control Cable Multi Conductor

(Industrial Tray Cable) (continued)

AWG	Number of Conductors	Ground Size	Insulation Thickness (in)	Jacket Thickness (in)	Overall Diameter (in)	Weight lbs/1000 ft
12	2	12	0.030	0.045	0.405	105
12	3	12	0.030	0.045	0.430	140
12	4	12	0.030	0.045	0.470	170
10	2	10	0.030	0.045	0.471	183
10	3	10	0.030	0.060	0.544	246
10	4	10	0.030	0.060	0.595	302
8	2	10	0.045	0.060	0.647	362
8	3	10	0.045	0.060	0.659	373
8	4	10	0.045	0.060	0.735	415
6	2	8	0.045	0.060	0.689	393
6	3	8	0.045	0.060	0.761	531
6	4	8	0.045	0.060	0.843	650
4	2	8	0.045	0.060	0.765	537
4	3	8	0.045	0.080	0.927	778
4	4	8	0.045	0.080	0.999	909
2	3	6	0.045	0.080	1.030	1155
2	4	6	0.045	0.080	1.145	1429

Flat Construction

Transformer Riser Wire

APPLICATION: Used as uninsulated transformer risers at voltages up to and including 13.2kV. Although not treated as an insulation, the covering on transformer riser wire does reduce faults due to atmospheric conditions, short caused by excessive vibrations and faulting caused by objects crossing the leads.

CONSTRUCTION: Conductors are solid or stranded soft copper. Stranded conductors are concentrically stranded, compressed. The covering is high molecular weight polyethylene, black.

SPECIFICATIONS: Priority's transformer riser wire meets or exceeds the following ASTM specifications: B-3 Soft or Annealed Copper Wire. B-8 Concentric-Lay-Stranded Copper Conductor, Hard, Medium -Hard, or Soft. Priority's transformer riser wire also meets all applicable requirements of ANSI/ICEA S-70-547.

Size	Stranding	Covering Thickness (Mils)	Bare Conductor Diameter (Mils)	Covered Diameter (Mils)	Weight Per 1000 FT
8	Solid	110	128.5	348.5	83
6	Solid	110	162	382	117
6	7/.0612	110	184	404	122
4	Solid	110	204.3	424.3	170
4	7/.0772	110	232	452	177

High Density Polyethylene and other covering thickness avalible upon request.

Jumper Cable - Transformer Lead Wire
Exciter Cable - Transformer Lead Wire

APPLICATION: This cable is for use as flexible power leads permitting temporary connections or bypassing energized power lines at voltages up through 15KV, phase to phase.

INSTALLATIONS: These cables must be positioned away from contact with grounds, transformer cases, cross-arms. etc., to avoid possible high stress and capacitance leakage due to the fact that jumper cables cannot be protected against prolonged contact with other conductors or grounds by shielding.

SPECIFICATIONS: Conductor: Flexible stranded tinned copper conductor with a synthetic semi-conducting tape separator. Insulation: Ethylene Propylene Rubber (EPR). Thickness .175 mil. Jacket: Heavy duty, red CPE Jacket. Thickness .08 mil. Rating: 5KV/15KV 90°C

Size AWG	No. of Strands	Overall Diameter (in)	Net Weight lbs/mft
2	259	0.820	550
1/0	426	0.893	730
2/0	532	0.997	850
4/0	852	1.140	1174
350	1410	1.305	2220
500	1952	1.410	2377
777	7581	1.565	2997
1550	15561	1.965	5649

Copper RHH/RHW-2/USE-2

APPLICATION: Type RHH or RHW-2 or USE-2 copper conductors are used with conduit as specified with the National Electrical Code. When used as Type USE-2, conductor is suitable for use as underground service entrance cable for direct burial at conductor temperatures not to exceed 90°C. When used as RHH, conductor temperatures shall not exceed 90°C in dry locations. When used as RHW-2 or USE-2, conductor temperatures shall not exceed 90°C in wet or dry locations. Voltage rating for RHH or RHW-2 or UES-2 conductors is 600 volts.

CONSTRUCTION: Type RHH or RHW-2 or USE-2 copper conductors are annealed (soft) copper. Insulation is an abrasion, moisture, heat, and sunlight resistant black cross-linked polyethylene (XLP).

SPECIFICATIONS: Type RHH or RHW-2 or USE-2 meets or exceeds UL standard 44 (for RHH or RHW-2), UL standard 854 (for USE-2), ASTM B3 Soft or Annealed Copper Wire, ASTM B8 Concentric Lay Stranded Copper Conductors or ASTM 787 19 Wire Combination Unilay-Stranded Copper Conductors, Federal Specification A-A-59544, and requirements of the National Electrical Code. Sunlight Resistant. Colors Available. Priority Type RHH or RHW-2 or USE-2 meets or exceeds all construction requirements of ICEA S-95- 658 (NEMA WC 70) - Nonshielded 0 - 2 kV Cables, with testing frequencies based on UL requirements.

ALTERNATE CONSTRUCTION: Type RHH or RHW-2 or USE-2 conductors are CT Rated in sizes 1/0 AWG through 1000kcmil.

Conductor		Insulation Thickness (Mils)	Nominal O.D. (mils)	Allowable Ampacities+			Approx. Net Weight Per 1000 lbs
Size (AWG or kcmil)	No. Strands			60°C	75°C	90°C	
14	7/w	45	160	15	15	15	21
12	7/w	45	177	20	20	20	30
10	7/w	45	201	30	30	30	44
8	7/w	60	262	40	50	55	72
6	7/w	60	297	55	65	75	106
4	7/w	60	344	70	85	95	156
2	7/w	60	400	95	115	130	238
1	19/w	80	484	110	130	150	309
1/0	19/w	80	523	125	150	170	381
2/0	19/w	80	567	145	175	195	472
3/0	19/w	80	617	165	200	225	586
4/0	19/w	80	673	195	230	260	729
250	37/w	95	751	215	255	290	867
300	37/w	95	804	240	285	320	1029
350	37/w	95	854	260	310	350	1191
400	37/w	95	899	280	335	380	1352
500	37/w	95	983	320	380	430	1674
600	61/w	110	1089	355	420	475	2012
700	61/w	110	1158	385	460	520	2332
750	61/w	110	1191	400	475	535	2492
800	61/w	110	1223	410	490	555	2652
900	61/w	110	1283	435	520	585	2970
1000	61/w	110	1340	455	545	615	3288

+ Allowable Ampacities: Allowable ampacities shown are for general use as specified by the National Electric Code, 2008 Edition, section 310-15.

60°C - when terminated to equipment for circuits rated 100 amperes or less or marked for #14 through #1 conductors.

75°C - when terminated to equipment for circuits rated over 100 amperes or less or marked for conductors larger than #1.

90°C - RHH dry locations. RHW-2 and USE-2 wet or dry locations. For Ampacity derating purposes.

Aluminum RHH/RHW-2/USE-2

Underground Service Entrance Cable.
600 Volt. Aluminum Alloy (AA-8000) Conductor.
Cross-linked Polyethylene (XLPE) insulation. High heat and moisture resistant.

APPLICATION: The product can be installed as a General Purpose Building Wire, used in service entrance, feeders and branch circuits applications for residential, commercial, industrial, and transportation environments for permanent installations utilizing 600 volts or less. Thanks to its excellent performance in overload or short circuit situations, and its heavy wall thickness, the product is ideal for underground service entrance (USE) in wet locations. RHH/RHW-2/USE-2 conductors are suitable for directly buried installations. RHH-RHW-2/USE-2 conductors can be used in environments where superior insulation toughness and chemical resistance are required. The product's high resistance to humidity make this cable suitable for wet locations, for outdoors, and for weather resistant use.

DESCRIPTION: Type RHH/RHW-2/USE-2, is a single insulated conductor of AA-8000 series aluminum alloy, compact stranded insulated with black thermoset crosslinked polyethylene (XLPE), designed to operate not over 600 Volts, nominal, and at a maximum operating temperature of 90°C dry or wet.

INSTALLATION: RHH/RHW-2/USE-2 conductors can be installed in electrical metallic tubing, PVC conduits and other raceways, in free air messenger support or directly buried. It is recommended that the installation instruction indicated by the Local Electric Code, or any equivalent be followed so that the safeguarding of persons and the integrity of the product will not be affected by deficiencies in the installation.

SPECIFICATIONS: ASTM B801, UL44, UL854, NEC, ICEA S-105-682.

AWG	Conductor Diameter (inches)	Insulation Thickness (Mils)	Nominal O.D. (in)	Allowable Ampacities*			Approx. Net Weight Per 1000 Feet (lbs)
				60°C	75°C	90°C	
8	0.134	60	0.257	30	40	45	36
6	0.169	60	0.292	40	50	60	49
4	0.213	60	0.336	55	65	75	65
2	0.268	60	0.391	75	90	100	94
1	0.299	80	0.462	85	100	115	126
1/0	0.335	80	0.499	100	120	135	151
2/0	0.378	80	0.539	115	135	150	182
3/0	0.423	80	0.586	130	155	175	221
4/0	0.476	80	0.638	150	180	205	269
250	0.520	95	0.713	170	205	230	326
300	0.571	95	0.763	190	230	255	381
350	0.614	95	0.809	210	250	280	435
400	0.657	95	0.852	225	270	305	489
500	0.736	95	0.929	260	310	350	595
700	0.877	110	1.100	310	375	420	829
750	0.909	110	1.131	320	385	435	881
1000	1.059	110	1.283	375	445	500	1145

Allowable ampacities shown are for general use as specified by the National Electric Code, 2005 Edition, section 310-15.

60°C - when terminated to equipment for circuits rated 100 amperes or less or marketed for #14 through #1 conductors.

75°C - when terminated to equipment for circuits rated over 100 amperes or less or marked for conductors larger than #1.

90°C - RHH dry locations. RHW-2 and USE-2 wet or dry locations.

Except as permitted by UL standard 44, UL standard 854 and ASTM B-801.

Bare and Tinned Copper Conductors

APPLICATION: For use on insulators for overhead distribution circuits or grounding conductors.

SPECIFICATIONS: Specification references standards applicable to solid and stranded uncoated and uninsulated copper wire.

Standards: ASTM B-1 Hard Drawn ASTM B-2 Medium Hard Drawn ASTM B-3 Soft or Annealed ASTM B-8 Concentric lay stranded conductors Federal Spec A-A-59551. Uninsulated. Conductor: Solid conductors and individual stranded conductors shall meet the requirements of ASTM B-3, ASTM B-2, or ASTM B-1 & stranded conductors meet the requirements of ASTM B-8.'

Options: available in tinned copper, ASTM B-33

Note:

- When Hard Drawn is required add HD.
- When Medium Hard Drawn is required, add MHD.
- When Tinned is required, add T.

Size AWG	Cross Sectional	No. of Strands	Overall Diameter (in)	Net Weight lbs/mft
SOFT DRAWN COPPER-SOLID				
14	4110	Solid	0.064	13
12	6530	Solid	0.081	20
10	10380	Solid	0.102	32
8	16510	Solid	0.1285	50
6	26240	Solid	0.1620	79
4	41740	Solid	0.2043	126
2	66360	Solid	0.2576	201
SOFT DRAWN BARE COPPER-STRANDED				
8	16510	7/w	0.146	51
6	26240	7/w	0.184	81
4	41740	7/w	0.232	129
2	66360	7/w	0.292	205
1	83690	19/w	0.332	258
1/0	105600	7/w or 19/w	0.373	326
2/0	133100	7/w or 19/w	0.419	411
3/0	167800	7/w or 19/w	0.470	518
4/0	211600	7/w or 19/w	0.528	653
250	250000	19/w or 37/w	0.575	772
350	350000	19/w or 37/w	0.681	1081
500	500000	37/w	0.813	1544
750	750000	61/w	0.998	2316
1000	1000000	61/w	1.152	3088

25 Pound Distribution Spools

Size AWG	Footage	Size AWG	Footage
14 Solid	2015	8-7/w	490
12 Solid	1265	6-7/w	308
10 Solid	795	4-7/w	200
8 Solid	500	2-7/w	125
6 Solid	315		
4 Solid	200		
2 Solid	125		

Aluminum Clad Steel Wire

APPLICATIONS: to be used as a guy or “messenger” wire, and static wire in utility classifications, for overhead use.

SPECIFICATIONS: ASTM 8416-88. ASTM 8415-92. RUS accepted.

DESCRIPTION: A high strength steel wire with a 25% thick cross-section ratio of aluminum cladding creating a high electrical conductivity, highly corrosive resistant and a thermal stability for high temperature operation and all with a lighter weight.

RUS ACCEPTED

Designation	Size # AWG	Stranded Diameter	Breaking Load	Weight lbs/1000ft
STATIC WIRE				
	3#5	.392"	12230 lbs	224.5
	3#6	.349"	10280 lbs	178.1
	3#7	.311"	8621 lbs	141.2
	3#8	.277"	7206 lbs	112.0
	3#9	.247"	5715 lbs	88.81
	3#10	.220"	4532 lbs	70.43
	7#5	.546"	27030 lbs	524.9
	7#6	.486"	22730 lbs	416.3
	7#7	.433"	19060 lbs	330.0
	7#8	.385"	15930 lbs	261.8
	7#9	.343"	12630 lbs	207.6
	7#10	.306"	10020 lbs	164.7
	7#11	.272"	7945 lbs	130.6
	7#12	.242"	6301 lbs	103.6
	19#5	.910"	73350 lbs	1430
	19#6	.810"	61700 lbs	1134
	19#7	.721"	51730 lbs	899.5
	19#8	.642"	43240 lbs	713.5
	19#9	.572"	34290 lbs	565.8
	19#10	.509"	27190 lbs	448.7
	37#5	1.27"	142800 lbs	2802
	37#6	1.13"	120200 lbs	2222
	37#7	1.01"	100700 lbs	1762
	37#8	.899"	104200 lbs	1398
	37#9	.801"	66770 lbs	1108
	37#10	.713"	52950 lbs	879
GUY AND MESSENGER WIRE AWG EQUIVALENT				
6M	7#12	.242"	6300 lbs	104.1
8M	7#11	.272"	8000 lbs	131.4
10M	7#10	.306"	10000 lbs	165.1
12.5M	7#9	.343"	12500 lbs	206.2
14M	-	.363"	14100 lbs	232.2
16M	7#8	.386"	16000 lbs	260.0
20M	-	.444"	20000 lbs	347.5

Static Wire: 5000’ reel put ups.

Guy and Messenger Wire: 500’ coils and 5000’ reel put ups.

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Ground Rods

APPLICATION: To be driven into the earth to provide ground for substations, towers, homes, buildings and all other structures containing electrical products.

SPECIFICATIONS:

Copper: High Quality steel with a consistent covering of electrolyte copper. UL 467-1984 for ground rods of one-half inch to one inch in diameter, eight to ten feet in length. - 10 Mil Rods 8' and larger are UL approved.

Galvanized: High Quality Steel with a consistent with a consistent covering of zinc. ANSI/ASTM A153-82. Option: Also available with REA (RUS) electrical and telephone approvals.

DESCRIPTION: To be driven into the earth to provide ground for substations, towers, homes, buildings and all other structures containing electrical products.

Single Type						
Part Number	Rod Size	Nom OD (in) and Length (ft)	Master Bundle	Weight lbs. per 100 pcs	UL	Cu (mils)
PWC125	1/2" x 5'	0.433" x 5'	100	312 lbs	No	5
PWC126	1/2" x 6'	0.433" x 6'	100	375 lbs	No	5
PWC128	1/2" x 8'	0.433" x 8'	100	500 lbs	No	5
PWC128-10	1/2" x 8'	0.496" x 8'	100	500 lbs	Yes	10
PWC1210	1/2" X 10'	0.496" x 10'	100	625 lbs	Yes	10
PWC586	5/8" x 6'	0.555" x 6'	100	522 lbs	No	5
PWC588	5/8" X 8'	0.555" x 8'	100	696 lbs	Yes	10
PWC588-13*	5/8" x 8'	0.563" x 8'	100	783 lbs	Yes	13
PWC5810-13*	5/8" x 10'	0.563" x 10'	100	870 lbs	Yes	13
PWC5810	5/8" X 10'	0.555" x 10'	100	870 lbs	Yes	10
PWC348	3/4" x 8'	0.673" x 8'	50	1024 lbs	Yes	10
PWC348-13*	3/4" x 8'	0.680" x 8'	50	1144 lbs	Yes	8
PWC3410	3/4" x 10'	0.673" x 10'	50	1280 lbs	Yes	10
PWC110	1"x10'	0.894" x 10'	25	2300 lbs	Yes	10
SECTIONAL TYPE						
PWCS1210	1/2" x 10'	0.496" x 10'	100	690 lbs	Yes	10
PWCS588	5/8" x 8'	0.555" x 8'	100	783 lbs	Yes	8
PWCS588-13*	5/8" x 8'	0.555" x 8'	100	696 lbs	Yes	10
PWCS5810	5/8" X 10'	0.555" x 10'	100	870 lbs	Yes	10
PWCS348	3/4" x 8'	0.673" x 8'	50	1024 lbs	Yes	10
PWCS3410-13*	3/4" x 8'	0.673" x 10'	50	1490 lbs	Yes	10
PWCS110	1"x10'	0.894" x 10'	25	2300 lbs	Yes	10
HOT DIPPED GALVANIZED GROUND RODS						
PWCG125	1/2" x 5'	0.485" x 5'	100	334 lbs	No	-
PWCG126	1/2" x 6'	0.485" x 6'	100	401 lbs	No	-
PWCG586	5/8" x 6'	0.595" x 6'	100	600 lbs	No	-
PWCG588	5/8" x 8'	0.595" x 8'	100	734 lbs	No	-
PWCG588F	5/8" x 8'	.625" x 8'	100	800 lbs	No	-
PWCG5810	5/8" X 10'	0.595" x 10'	100	1000 lbs	No	-
PWCG3410	3/4" X 10'	0.657" x 10'	50	1500 lbs	No	-

RUS rods have 13 mil copper and are RUS accepted

All values are subject to correction.

Call for additional sizes.

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Ground Rod Accessories

Ground Rod Couplings: UL / CSA - Connects two copper sectional ground rods - Tapered ends to reduce driving friction - constructed of high strength. Corrosion resistant bronze.

Direct Burial Ground Rod Clamps: UL / CSA - Connects grounding conductor to driven ground rod or other approved grounding grid such as rebar where allowed - Approved for direct burial in the earth and concrete - Contains a bronze or stainless steel hex headed bolt - Constructed of high strength, corrosive resistant bronze.

Bronze Water Pipe Ground Clamps: UL / CSA - connects grounding conductor to grounded metal water pipes or other approved grounding grid such as rebar where allowed - Constructed of high strength, highly conductive bronze - Steel screws plated for corrosion resistance – Through Hole or Layin styles available.

Zinc Die-Cast Plated Water Pipe Ground Clamps: Connects grounding conductor to grounded metal water pipes - Die cast zinc body with brass colored plating - Assembled with zinc plated steel screws for corrosion resistance

Ground Rod Driving Studs: Threads onto ground rod coupling for driving to eliminate damage to ground rod threads

Part #	Size	Wire Size		Standard Packaging	Weight Per 100 Pcs
		max	min		
GROUND ROD COUPLINGS					
PC58	5/8"	-	-	10	25 lbs
PC34	3/4"	-	-	10	38 lbs
PC01	1"	-	-	10	65 lbs
DIRECT BURIAL GROUND ROD CLAMPS					
P4	1/2"	2	10	100	9 lbs
P5	5/8"	2	10	50	10 lbs
P6	3/4"	2	10	50	11 lbs
PU	1/2" - 3/4"	1/0	10	50	19 lbs
BRONZE WATER PIPE GROUND CLAMPS					
PWP121	1/2" to 1"	2	10 Sol	25	19 lbs
PWP1142	11/4" to 2"	2	10 Sol	10	43 lbs
BRONZE WATER PIPE LAYIN GROUND CLAMPS					
PWP122	3/8" to 1"	2	10 Sol	170	25 lbs
DIRECT BURIAL BRONZE WATER PIPE GROUND CLAMPS					
PWP121-DB	1/2" - 1"	2	10	25	19 lbs
ZINC DIE-CAST PLATED WATER PIPE GROUND CLAMPS					
PWPP121	1/2" to 1"	2	10 Sol	100	17 lbs
GROUND ROD DRIVING STUDS					
PD58	5/8"	-	-	10	23 lbs
PD34	3/4"	-	-	10	35 lbs
PD01	1"	-	-	10	49 lbs

Underground Service Entrance

APPLICATION: Primarily used for power distribution in a broad range of commercial, industrial and utility applications. Single conductor EPR/CPE can be installed in free air, raceways or direct buried for service entrance below ground in both wet and dry locations.

CONDUCTORS: Flexible soft drawn tin coated copper stranding Class B, ASTM B-8, ASTM B-33

SEPARATOR: Tape separator between the conductor and insulation

INSULATION: Ethylene-propylene rubber (EPR)

JACKET: Black heavy duty, CPE thermoset compound, UL 44, UL 854, ICEA S-95-658

STANDARDS: UL 44 Type RHH/RHW-2, UL 854 Type USE-2, ICEA S-95-658, NEMA WC70, ASTM B-8, ASTM B-33, VW-1, Sunlight Resistant, "FOR CT USE" 1/0 and larger.

Size	Stranding	Insulation Thickness (in)	Jacket Thickness (in)	Overall Diameter (in)	Weight Per 1000 ft. (lbs)	Ampacity 40ºC Ambient Temp
14	7	0.030	0.015	0.165	24	25
12	7	0.030	0.015	0.189	34	32
10	7	0.030	0.015	0.213	49	47
8	7	0.045	0.015	0.276	79	83
6	7	0.045	0.030	0.346	124	109
4	7	0.045	0.030	0.394	179	145
2	7	0.045	0.030	0.453	260	192
1/0	19	0.055	0.045	0.575	420	258
2/0	19	0.055	0.045	0.619	513	298
4/0	19	0.055	0.045	0.736	774	400
250	37	0.065	0.065	0.850	956	445
350	37	0.065	0.065	0.957	1290	552
500	37	0.065	0.065	1.088	1798	695
750	61	0.080	0.065	1.303	2686	898
1000	61	0.080	0.065	1.457	3463	1076

Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

Notes

Notes

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- Copper And Galvanized Ground Rods & Accessories
- Flexible Conduit (EFLT, UALT, NMLT, RWA, RWS)
- Splice & Term Kits Med Voltage
- Lugs
- Glands for Type P

MARKET SENSITIVE ITEMS

- Bare Copper
- 12-02 MC Cable
- Copper THHN

COPPER PRODUCTS
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- Portable Cord SEOOW / SJEOOW
- MC Cable (with proper mix)
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- DLO
- Welding Cable
- Mining Cable SHDGC, G-GC, MP-GC
- 8-03, 6-03, 4-03, 2-03 MC Cable
- Flextel® Central Office Power
- Security & Fire Alarm
- Thermostat Wire
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- Cat 5E / Cat 6
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- SER Copper
- SIS - Switchboard
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- AirGuard®
- Teck 90
- Medium Voltage MV 90 2.4 KV
- Airport Lighting Cable
- MTW, TFN, TFFN
- XHHW, XLP/USE-2 Copper
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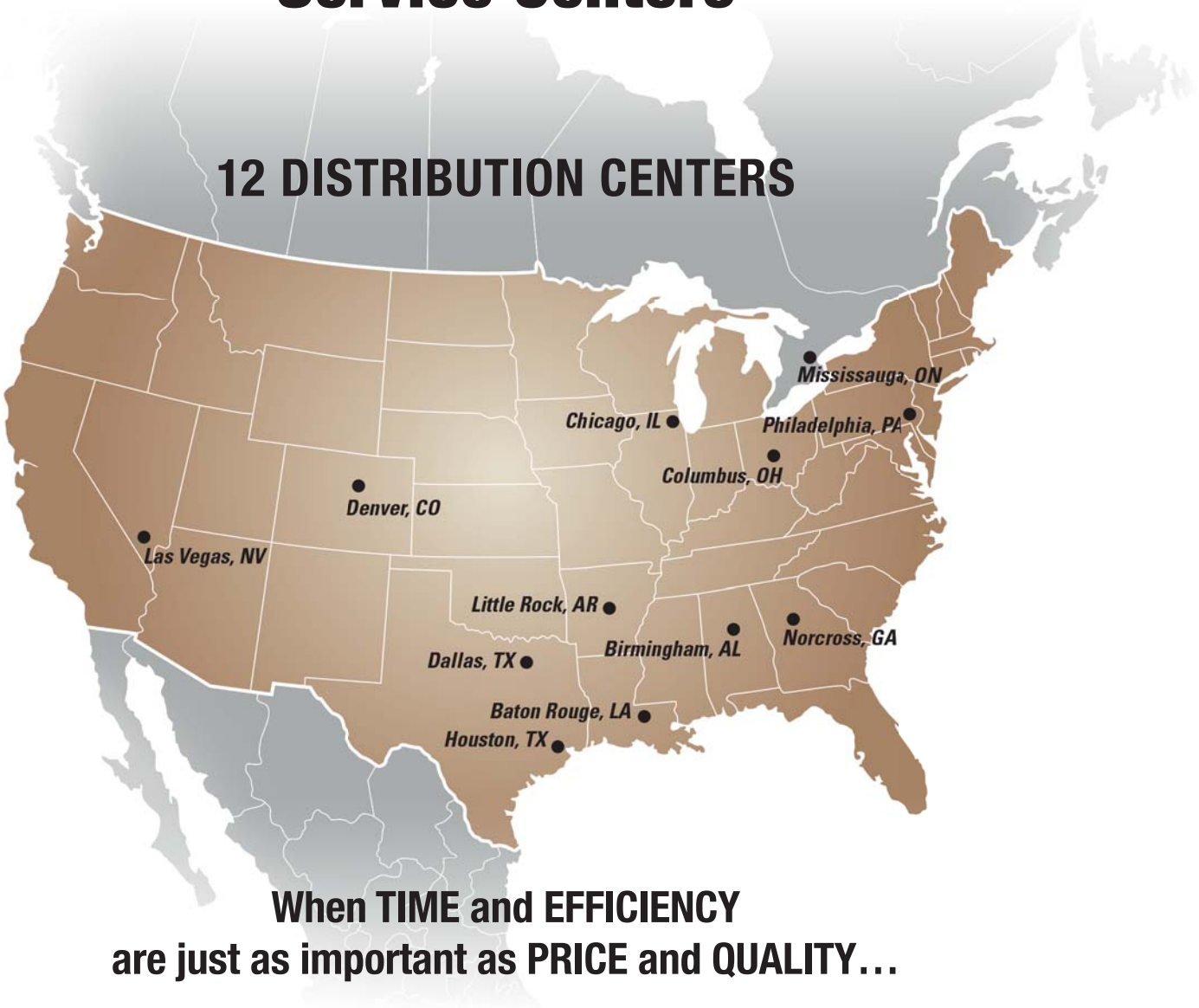

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