

Code Name Reference

Code Name	Cond. Size	Da #	Code Name	Cond. Size	Da #	Code Name	Cond. Size	Do: #	Code Name	Cond. Size	Pg. #
Aega	3/0 AWG	Pg.#	Cairo	465.4 MCM	Pg.#	Daffodil	350 MCM	Pg.#	German-Coach	4 AWG	ry.# 16
Akron	30.58 MCM	3	Camellia	1000 MCM	2	Dahlia	556.5 MCM	1	Gladiolus	1510.5 MCM	2
Alliance	246.9 MCM	3	Canary	900 MCM	6	Daisy	266.8 MCM	1	Goldenrod	954 MCM	2
Almond	1/0 AWG	11	Canna	397.5 MCM	1	Darien Darien	559.5 MCM	3	Goldentuft	450 MCM	1
Alton	48.69 MCM	3	Canton	394.5 MCM	3	Dartmouth	400 MCM	21	Gonzaga	300 MCM	21
Ames	77.47 MCM	3	Cardinal	954 MCM	6	Daumier	500 MCM	N/A	Gould	250 MCM	N/A
Amherst	195.7 MCM	3	Carnation	1431 MCM	2	Davidson	3/0 AWG	23	Goya	2/0 AWG	N/A
Anaheim	155.4 MCM	3	Cattail	750 MCM	2	Degas	250 MCM	N/A	Grackle	1192.5 MCM	6
Anona	336.4 MCM	11	Cavolinia	2/0 AWG	14		4 AWG	21	Grapefruit	1033.5 MCM	N/A
Appaloosa	4/0 AWG	15	Cenia	2/0 AWG 1/0 AWG	14	Delgado Dipper	1351.5 MCM	6	Greeley	927.2 MCM	3
• •	6 AWG	11		4/0 AWG	14	Doberman	2 AWG	12	Grosbeak	636 MCM	6
Apple Apricot	4 AWG	11	Cerapus Cezanne	2 AWG	N/A	Dorking	190.8 MCM	7	Grouse	80.0 MCM	7
Apricot Arabian	4 AWG 4 AWG	16	Cherrystone	3/0 AWG	14	Dotterel	176.9 MCM	7	Grullo	2/0 AWG	15
	795 MCM		Chestnut	1 AWG			556.5 MCM	, 5		2/0 AWG 159 MCM	7
Arbutus		2 13		397.5 MCM	11 5	Dove	795 MCM	6	Guinea	266.8 MCM	11
Arca	4/0 AWG 2 AWG	N/A	Chickadee Chihuahua	6 AWG	12	Drake	250 MCM	N/A	Hackberry	4 AWG	15
Arch	4 AWG	13	Chola	6 AWG	15	Dufay	600 MCM	21	Hackney	4 AWG 6 AWG	13
Artemia						Duke			Haiotis		
Aster	2/0 AWG	1	Choppin	4/0 AWG	N/A	Dungeness	2/0 AWG	13	Hals	350 MCM	N/A
Azusa	123.3 MCM	3	Chow	2 AWG	12	Dyke	2 AWG	23	Handel	1 AWG	N/A
Bach	3/0 AWG	N/A	Chukar	1780 MCM	7	Eagle	556.5 MCM	5	Hanoverian	3/0 AWG	15
Bard	8 AWG	21	Claflin	6 AWG	21	Earlham	4/0 Awg	23	Harrier	4 AWG	12
Barnacles	4 AWG	13	Clam	2 AWG	14	Echinus	1/0 Awg	13	Harvard	1/0 AWG	21
Bay	6 AWG	16	Clemson	2 AWG	21	Egret	636 MCM	6	Hawk	477 MCM	5
Beaumont	1113 MCM	6	Clio	2/0 AWG	14	El Greco	3/0 MCM	N/A	Hawkweed	1000 MCM	2
Beech	2 AWG	11	Clydesdale	4 AWG	15	Elgin	652.4 MCM	3	Hawthorn	1192.5 MCM	2
Belgian	2 AWG	16	Cochin	211.3 MCM	7	Emory	500 MCM	21	Haydn	1/0 AWG	N/A
Beloit	4/0 AWG	21	Cockle	2 AWG	14	Erskine	6 AWG	22	Heeler	1/0 AWG	12
Bergen	1/0 AWG	22	Cockscomb	900 MCM	2	Eskimo	4 AWG	12	Hen	477 MCM	5
Bittern	1272 MCM	6	Collie	6 AWG	12	Everett	2 AWG	21	Heuchera	650 MCM	1
Bitterroot	2750 MCM	2	Columbine	1351.5 MCM	2	Fairfield	750 MCM	22	Hickory	4 AWG	11
Bluebell	1033.5 MCM	2	Conch	2 AWG	14	Falcon	1590 MCM	7	Hippa	6 AWG	13
Bluebird	2156 AWG	7	Condor	795 MCM	6	Fig	3/0 AWG	11	Hofstra	250 MCM	21
Bluebonnet	3500 MCM	2	Converse	2/0 AWG	22	Filbert	3/0 AWG	11	Holbein	4/0 AWG	N/A
Bluejay	1113 MCM	6	Coot	795 MCM	6	Finch	1113 MCM	6	Hollins	3/0 AWG	22
Bobolink	1431 MCM	7 N/A	Coreopsis	1590 MCM	2	Flag	700 MCM	1	Holyoke	500 MCM	22 N/A
Bosch	500 MCM	N/A	Corot	4/0 AWG	N/A	Flamingo	666.6 MCM	6	Hornbeam	4 AWG	N/A
Brahma	203.2 MCM	7	Cosmos	477 MCM	1	Flicker	477 MCM	5	Huckleberry	477 MCM	11
Brahms	2/0 AWG	N/A	Costena	1/0 AWG	15	Flint	740.8 MCM	3	Hunter	2/0 AWG	22
Brant	397.5 MCM	5	Cowry	336.4 MCM	14	Flustra	3/0 AWG	13	Hurricane	500 MCM	15
Breadfruit	636 MCM	N/A	Cowslip	2000 MCM	2	Fordham	1000 MCM	21	Hyacinth	500 MCM	1
Brenau	1/0 AWG	22	Crab	4 AWG	13	French-Coach	6 AWG	16	lbis	397.5 MCM	5
Bronco	336.4 MCM	15	Crayfish	2/0 AWG	13	Fulgar	3/0 AWG	13	Iris	2 AWG	1
Bruegel	3/0 AWG	N/A	Criollo	1/0 AWG	15	Furman	700 MCM	21	lves	2/0 AWG	N/A
Buckeye	4/0 AWG	11	Cuckoo	795 MCM	6	Fusus	4 AWG	13	Janthina	1/0 AWG	14
Bull	1/0 AWG	12	Curlew	1033.5 MCM	6	Gable	1/0 AWG	N/A	Jessamine	1750 MCM	2
Bunting	1192.5 MCM	6	Cuttlefish	4/0 AWG	14	Gammarus	1/0 AWG	13	Joist	1/0 AWG	N/A
Butte	312.8 MCM	3	Cyclops	4/0 AWG	13	Gannet	666.6 MCM	6	Joree	2515 MCM	7
Butternut	4 AWG	11	Dachshund	4 AWG	12	Gelding	336.4 MCM	15	Kenyon	1 AWG	21

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Code Name Reference

Code Name	Cond. Size	Pg. #	Code Name	Cond. Size	Pg.#	Code Name	Cond. Size	Pg. #	Code Name	Cond. Size	Pg. #
Kingbird	636 MCM	6	Neritina	1/0 AWG	14	Prawn	4 AWG	13	Stephens	2 AWG	22
Kiwi	2167 MCM	7	Niagara	350 MCM	23	Princeton	6 AWG	21	Stilt	715.5 MCM	6
Lafayette	2/0 AWG	23	Notre Dame	1/0 AWG	23	Purdue	1/0 AWG	23	Strauss	750 MCM	N/A
Lapwing	1590 MCM	7	Nuthatch	1510.5 MCM	7	Purpura	1/0 AWG	14	Strombus	4 AWG	14
Lark	397.5 MCM	5	Oilnut	1/0 AWG	N/A	Quail	2/0 AWG	5	Suffolk	3/0 AWG	15
Larkspur	1033.5 MCM	2	Oldenburg	4/0 AWG	15	Quince	1/0 AWG	11	Swan	4 AWG	5
Laurel	266.8 MCM	1	Olive	4/0 AWG	11	Rail	954 MCM	6	Swanate	4 AWG	5
Leda	1/0 AWG	13	Orange	2/0 AWG	11	Ramapo	2 AWG	22	Swarthmore	3/0 AWG	23
Leghorn	134.6 MCM	7	Orchid	636 MCM	1	Ranella	1/0 AWG	14	Sweetbriar	4/0 AWG	22
Lepas	4/0 AWG	13	Oriole	336.4 MCM	5	Rapheal	1/0 AWG	N/A	Swift	636 MCM	6
Les Boules	864.9 MCM	6	Ortolan	1033.5 MCM	6	Ravel	3/0 AWG	N/A	Syracuse	2/0 AWG	23
Lilac	795 MCM	2	Osprey	556.5 MCM	5	Raven	1/0 AWG	5	Syringa	477 MCM	1
Limpet	336.4 MCM	14	Ostrich	300 MCM	5	Razor	4/0 AWG	14	Teal	605 MCM	6
Lindin	2 AWG	N/A	Oxlip	4/0 AWG	1	Redwing	715.5 MCM	6	Tern	795 MCM	6
Linnet	336.4 MCM	5	Oyster	4 AWG	13	Rider	500 AWG	22	Terrier	4 AWG	12
Lippizaner	336.4 MCM	15	Palomino	2 AWG	15	Robin	1 AWG	5	Thoroughbred	2/0 AWG	16
Listz	1 AWG	N/A	Paludina	6 AWG	14	Rockland	3/0 AWG	22	Thrasher	2312 MCM	7
Lully	500 MCM	N/A	Pansy	1 AWG	1	Rook	636 AWG	6	Trillium	3000 MCM	2
Lupine	2500 MCM	2	Parakeet	556.5 MCM	5	Rose	4 AWG	1	Triton	2/0 AWG	14
Magnolia	954 MCM	2	Parrot	1510.5 MCM	7	Rubens	2/0 AWG	N/A	Trotter	3/0 AWG	16
Malamute	1/0 AWG	12	Partridge	266.8 MCM	5	Ruddy	900 MCM	6	Tufts	3/0 AWG	21
Mallard	795 MCM	6	Patella	6 AWG	13	Runcina	2/0 AWG	14	Tulip	336.4 MCM	1
Marigold	113 MCM	2	Paw Paw	556.5 MCM	11	Rust	250 MCM	23	Tulsa	4 AWG	23
Martin	1351.5 MCM	6	Peach	2 AWG	11	Rutgers	350 MCM	21	Turkey	6 AWG	5
McNeil	350 MCM	N/A	Peachbell	6 AWG	1	Sagebrush	2250 MCM	2	Valerian	250 MCM	1
Meadowsweet	600 MCM	1	Peacock	605 MCM	6	Sandcrab	1/0 AWG	13	Vassar	4 AWG	22
Melita	3/0 AWG	14	Pear	4 AWG	11	Sanddollar	3/0 AWG	14	Verbena	700 MCM	1
Mercer	4 AWG	21	Pecan	2/0 AWG	11	Scallop	4 AWG	14	Violet	715.5 MCM	1
Merlin	336.4 MCM	5	Pekingese	6 AWG	12	Schnauzer	2 AWG	12	Vizsla	6 AWG	12
Minex	6 AWG	13	Pelican	477 MCM	5	Scoter	636 MCM	6	Voluta	6 AWG	14
Minorca	110.8 MCM	7	Penguin	4/0 AWG	5	Setter	6 AWG	12	Wake Forest	4/0 AWG	23
Mistletoe	556.5 MCM	1	Peony	300 MCM	1	Sewanee	750 MCM	21	Walking	4/0 AWG	16
Molles	397.5 MCM	N/A	Percheron	2/0 AWG	15	Shellbark	3/0 AWG	N/A	Walnut	6 AWG	11
Monet	1 AWG	N/A	Periwinkle	4 AWG	14	Shepherd	6 AWG	12	Waxwing	266.8 MCM	5
Monmouth	4/0 AWG	22	Persimmon	2/0 AWG	N/A	Shetland	1/0 AWG	16	Wesleyan	350 AWG	22
Moreau	250 MCM	N/A	Petrel	101.8 MCM	7	Shrimp	2 AWG	13	Whelk	4 AWG	14
Morgan	4 AWG	15	Petunia	750 MCM	2	Sipho	2/0 AWG	13	Whippet	4 AWG	12
Morochuca	6 AWG	15	Pheasant	1272 MCM	6	Slippery Rock	350 MCM	23	Windham	750 MCM	23
Mozart	4/0 AWG	N/A	Phlox	3/0 AWG	1	Snail	1/0 AWG	14	Wittenberg	2 AWG	23
Mulberry	266.8 MCM	11	Pigeon	3/0 AWG	5	Snapdragon	900 MCM	2	Wofford	500 MCM	23
Murex	1/0 AWG	14	Pignut	2 AWG	11	Sneezewart	250 MCM	1	Wood Duck	605 MCM	6
Mursia	3/0 AWG	14	Pinto	4 AWG	15	Soffit	1 AWG	N/A	Yale	2/0 AWG	21
Mussel	2 AWG	14	Planetree	4/0 AWG	N/A	Solaster	2 AWG	13	Zinnia	500 MCM	1
Mustang	2 AWG	15	Plover	1431 AWG	7	Spaniel	4 AWG	12	Zuzara	4/0 AWG	14
Nannynose	336.4 MCM	14	Pomegranate	4/0 AWG	N/A	Sparate	2 AWG	5			
Narcissus	1272 MCM	2	Рорру	1/0 AWG	1	Sparrow	2 AWG	5			
Nassa	2/0 AWG	14	Portunus	4/0 AWG	14	Squab	605 MCM	6			
Nasturtium	715.5 MCM	2	Pratt	250 MCM	22	Starling	715.5 MCM	6			

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AAC - All Aluminum Conductor

APPLICATION: Stranded 1350-H19 aluminum conductors are used for primary and secondary transmission and distribution.

Class AA is for bare conductors used in overhead lines.

Class A is 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.

SPECIFICATIONS: AAC bare conductors meet or exceed the following ASTM specifications:

B-230 Aluminum 1350-H19 Wire for Electrical Purposes.

B-231 Concentric-Lay-Stranded Aluminum 1350 Conductors.

	Conductor	Strar	nding	Dian	neter	Cross		Rated	Resist	ance**	
Code Word	Size	No. of	Class	Indiv. Strand	Comp. Cable	Sectional Area	Weight	Breaking Strength	DC @ 20°C	AC @ 75°C	Ampacity*
	AWG/kcmil	Wires		inches	inches	Sq. In.	lbs/kft	lbs	Ohms/kft	Ohms/kft	amps
Peachbell	6	7	А	0.0612	0.184	0.0206	25	563	0.6580	0.8050	103
Rose	4	7	Α	0.0772	0.232	0.0328	39	881	0.4140	0.5060	138
Iris	2	7	AA,A	0.0974	0.292	0.0522	62	1,350	0.2600	0.3180	185
Pansy	1	7	AA,A	0.1093	0.328	0.0657	79	1,640	0.2070	0.2520	214
Рорру	1/0	7	AA,A	0.1228	0.368	0.0829	99	1,990	0.1640	0.2000	247
Aster	2/0	7	AA,A	0.1379	0.414	0.1045	125	2,510	0.1300	0.1590	286
Phlox	3/0	7	AA,A	0.1548	0.464	0.1318	158	3,040	0.1030	0.1260	331
Oxlip	4/0	7	AA,A	0.1739	0.522	0.1663	199	3,830	0.0817	0.0999	383
Sneezewart	250	7	AA	0.1890	0.567	0.1964	235	4,520	0.0691	0.0846	425
Valerian	250	19	Α	0.1147	0.574	0.1964	235	4,660	0.0691	0.0846	425
Daisy	266.8	7	AA	0.1953	0.586	0.2095	251	4,830	0.0648	0.0793	443
Laurel	266.8	19	Α	0.1185	0.593	0.2095	251	4,970	0.0648	0.0793	444
Peony	300	19	Α	0.1257	0.629	0.2358	281	5,480	0.0578	0.0706	478
Tulip	336.4	19	Α	0.1331	0.666	0.2644	316	6,150	0.0514	0.0630	513
Daffodil	350	19	Α	0.1357	0.679	0.2749	329	6,390	0.0494	0.0605	526
Canna	397.5	19	AA,A	0.1447	0.724	0.3122	373	7,110	0.0435	0.0534	570
Goldentuft	450	19	AA	0.1539	0.769	0.3534	422	7,890	0.0384	0.0472	616
Cosmos	477	19	AA	0.1584	0.793	0.3746	448	8,360	0.0362	0.0445	639
Syringa	477	37	Α	0.1135	0.795	0.3746	448	8,690	0.0362	0.0445	639
Zinnia	500	19	AA	0.1622	0.811	0.3927	469	8,760	0.0346	0.0425	658
Hyacinth	500	37	А	0.1162	0.813	0.3924	469	9,110	0.0346	0.0425	658
Dahlia	556.5	19	AA	0.1711	0.856	0.4371	522	9,750	0.0311	0.0382	703
Mistletoe	556.5	37	AA,A	0.1226	0.858	0.4371	522	9,940	0.0311	0.0382	704
Meadowsweet	600	37	AA,A	0.1273	0.891	0.4712	563	10,700	0.0288	0.0355	738
Orchid	636	37	AA,A	0.1311	0.918	0.4995	597	11,400	0.0272	0.0335	765
Heuchera	650	37	AA	0.1326	0.928	0.5105	610	11,600	0.0266	0.0328	775
Verbena	700	37	AA	0.1375	0.963	0.5498	657	12,500	0.0247	0.0305	812
Flag	700	61	А	0.1071	0.964	0.5498	657	12,900	0.0247	0.0305	812
Violet	715.5	37	AA	0.1391	0.974	0.5623	672	12,800	0.0242	0.0299	823

(Continued on page 2)



AAC - All Aluminum Conductor

	Conductor	Strar	nding	Dian	neter	Cross		Rated	Resista	ance**	
Code Word	Size	No. of	Class	Indiv. Strand	Comp. Cable	Sectional Area	Weight	Breaking Strength	DC @ 20°C	AC @ 75°C	Ampacity*
	AWG/kcmil	Wires		inches	inches	Sq. In.	lbs/kft	lbs	Ohms/kft	Ohms/kft	amps
Nasturtium	715.5	61	А	0.1083	0.975	0.5619	672	13,100	0.0242	0.0299	823
Petunia	750	37	AA	0.1424	0.997	0.5893	705	13,100	0.0230	0.0286	847
Cattail	750	61	А	0.1109	0.998	0.5892	704	13,500	0.0230	0.0286	847
Arbutus	795	37	AA	0.1466	1.026	0.6245	746	13,900	0.0217	0.0271	878
Lilac	795	61	Α	0.1142	1.028	0.6248	746	14,300	0.0217	0.0270	879
Cockscomb	900	37	AA	0.1560	1.092	0.7072	845	15,400	0.0192	0.0239	948
Snapdragon	900	61	Α	0.1215	1.094	0.7073	845	15,900	0.0192	0.0239	948
Magnolia	954	37	AA	0.1606	1.124	0.7495	896	16,400	0.0181	0.0226	982
Goldenrod	954	61	Α	0.1251	1.126	0.7498	896	16,900	0.0181	0.0226	983
Hawkweed	1000	37	AA	0.1644	1.151	0.7854	939	17,200	0.0173	0.0216	1,010
Camellia	1000	61	А	0.1280	1.152	0.7849	939	17,700	0.0173	0.0216	1,011
Bluebell	1033.5	37	AA	0.1671	1.170	0.8114	970	17,700	0.0167	0.0210	1,031
Larkspur	1033.5	61	Α	0.1302	1.172	0.8122	970	18,300	0.0167	0.0210	1,032
Marigold	1113	61	AA,A	0.1351	1.216	0.8744	1,045	19,700	0.0155	0.0195	1,079
Hawthorn	1192.5	61	AA,A	0.1398	1.258	0.9366	1,119	21,100	0.0145	0.0183	1,124
Narcissus	1272	61	AA,A	0.1444	1.300	0.9990	1,194	22,000	0.0136	0.0173	1,169
Columbine	1351.5	61	AA,A	0.1489	1.340	1.0610	1,269	23,400	0.0128	0.0163	1,212
Carnation	1431	61	AA,A	0.1532	1.379	1.1244	1,343	24,300	0.0121	0.0155	1,253
Gladiolus	1510.5	61	AA,A	0.1574	1.417	1.1869	1,418	25,600	0.0144	0.0147	1,294
Coreopsis	1590	61	AA	0.1614	1.454	1.2490	1,493	27,000	0.0109	0.0141	1,333
Jessamine	1750	61	AA	0.1694	1.525	1.3748	1,643	29,700	0.0099	0.0129	1,408
Cowslip	2000	91	Α	0.1482	1.630	1.5710	1,877	34,200	0.0086	0.0115	1,518
Sagebrush	2250	91	А	0.1572	1.729	1.7670	2,131	37,500	0.0078	0.0105	1,612
Lupine	2500	91	А	0.1657	1.823	1.9640	2,370	41,900	0.0070	0.0097	1,706
Bitterroot	2750	91	А	0.1739	1.913	2.1600	2,607	46,100	0.0064	0.0090	1,793
Trillium	3000	127	А	0.1537	1.998	2.3564	2,844	50,300	0.0058	0.0083	1,874
Bluebonnet	3500	127	А	0.1660	2.158	2.7490	3,350	58,700	0.0050	0.0076	2,024

^{*} Current ratings are based on 75°C conductor temperature, 25°C ambient, 2ft/s wind, in sun, .05 coefficients of emissivity and absorption.

^{**} Resistance is calculated using ASTM standard increments of stranding and metal conductivity of 61.2% IACS, AC resistance at 60 Hz.



AAAC -All Aluminum Alloy (6201) Conductor

APPLICATION: Bare overhead conductor used for primary and secondary transmission and 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 B399, are concentric-lay-stranded, similar in construction and appearance to 1350 grade aluminum conductors. Conductors of the 6201-T81 alloy 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 and 6201-T83 Wire for Electrical Purposes

B-399 Concentric-Lay-Stranded Aluminum Alloy 6201-T81 Conductors

RUS ACCEPTED

	Conductor		Equivale	nt ACSR	Dian	neter	Cross		Rated	Resista	ance**	
Code Word	Size	No. of Wires	Size	Stranding	Indiv. Strand	Comp. Cable	Sectional Area	Weight	Breaking Strength	DC @ 20°C	AC @ 75°C	Ampacity*
	kcmil		AWG/kcmil	AL/Steel	inches	inches	Sq. In.	lbs/kft	lbs	Ohms/kft	Ohms/kft	amps
Akron	30.58	7	6	6/1	0.0661	0.1980	0.0240	29	1,110	0.6588	0.7850	107
Alton	48.69	7	4	6/1	0.0834	0.2500	0.0382	45	1,760	0.4139	0.4930	143
Ames	77.47	7	2	6/1	0.1052	0.3160	0.0608	72	2,800	0.2601	0.3100	191
Azusa	123.3	7	1/0	6/1	0.1327	0.3980	0.0968	115	4,270	0.1635	0.1950	256
Anaheim	155.4	7	2/0	6/1	0.1490	0.4470	0.1221	145	5,390	0.1297	0.1540	296
Amherst	195.7	7	3/0	6/1	0.1672	0.5020	0.1537	183	6,790	0.1030	0.1230	342
Alliance	246.9	7	4/0	6/1	0.1878	0.5630	0.1939	230	8,560	0.0816	0.0973	395
Butte	312.8	19	266.8	26/7	0.1283	0.6420	0.2456	292	10,500	0.0644	0.0769	460
Canton	394.5	19	336.4	26/7	0.1441	0.7210	0.3098	368	13,300	0.0511	0.0610	532
Cairo	465.4	19	397.5	26/7	0.1565	0.7830	0.3655	434	15,600	0.0433	0.0518	590
Darien	559.5	19	477.0	26/7	0.1716	0.8580	0.4394	522	18,800	0.0360	0.0420	663
Elgin	652.4	19	556.5	26/7	0.1853	0.9270	0.5124	608	21,900	0.0309	0.0371	729
Flint	740.8	37	636.0	26/7	0.1414	0.9910	0.5818	691	24,400	0.0272	0.0327	790
Greeley	927.2	37	795.0	26/7	0.1583	1.1080	0.7282	865	30,500	0.0217	0.0263	908

^{*} Current ratings are based on 75°C conductor temperature, 25°C ambient, 2ft/s wind, in sun, .05 coefficients of emissivity and absorption.

^{**} Resistance is calculated using ASTM standard increments of stranding and metal conductivity of 52.5% IACS, AC resistance at 60 Hz.



ACAR - Aluminum Conductor Aluminum Reinforced

APPLICATION: Bare overhead conductor used as 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 stength and ampacity than ACSR.

CONSTRUCTION: Aluminum alloy 1350--H19 wires, concentrically stranded around 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: ACAR bare conductor meets or exceeds the following ASTM specifications:

B-230 Aluminum 1350-H19 Wire for Electrical Purposes

B-398 Aluminum-Alloy 6201-T81 Wire for Electrical Purposes

B-524 Concentric-Lay-Stranded Aluminum Conductors, Aluminum Alloy Reinforced (ACAR, 1350/6201)

Conductor	01 11	D) iameter (in)			Rated	Resista	ance**	Allowable
Size	Stranding	Individua	al Strand	Comp.	Weight	Strength	DC @ 20°C	AC @ 75°C	Ampacity*
kcmil	1350/6201	1350	6201	Cable	lbs/kft	lbs	Ohms/kft	Ohms/kft	amps
355.0	12/7	0.1367	0.1367	0.683	332	8,500	0.0514	0.0624	519
465.9	12/7	0.1566	0.1566	0.783	436	11,000	0.0392	0.0477	616
503.6	12/7	0.1628	0.1628	0.814	471	11,900	0.0362	0.0441	646
653.1	12/7	0.1854	0.1854	0.927	611	15,400	0.0279	0.0342	760
739.8	30/7	0.1414	0.1414	0.99	693	15,300	0.0240	0.0296	831
739.8	18/19	0.1414	0.1414	0.99	692	18,800	0.0252	0.0308	814
853.7	30/7	0.1519	0.1519	1.063	799	17,500	0.0208	0.0257	907
853.7	18/19	0.1519	0.1519	1.063	798	21,500	0.0218	0.0268	890
927.2	30/7	0.1583	0.1583	1.108	868	19,000	0.0192	0.0238	955
927.2	18/19	0.1583	0.1583	1.108	867	23,400	0.0201	0.0247	936
1024.5	30/7	0.1664	0.1664	1.165	959	20,900	0.0173	0.0216	1,015
1024.5	18/19	0.1664	0.1664	1.165	958	25,800	0.0182	0.0225	995
1081.0	30/7	0.1709	0.1709	1.196	1,012	22,100	0.0164	0.0205	1,048
1081.0	18/19	0.1709	0.1709	1.196	1,011	27,200	0.0172	0.0213	1,028
1109.0	30/7	0.1731	0.1731	1.212	1,038	22,700	0.0160	0.0200	1,065
1109.0	18/19	0.1731	0.1731	1.212	1,037	27,900	0.0168	0.0208	1,044
1172.0	30/7	0.1780	0.1780	1.246	1,097	24,000	0.0152	0.0190	1,101
1172.0	18/19	0.1780	0.1780	1.246	1,096	29,500	0.0159	0.0198	1,080
1197.0	30/7	0.1799	0.1799	1.259	1,121	24,500	0.0148	0.0187	1,115
1197.0	18/19	0.1799	0.1799	1.259	1,119	30,200	0.0156	0.0194	1,094
1280.0	30/7	0.1860	0.1860	1.302	1,199	26,200	0.0139	0.0175	1,160
1280.0	18/19	0.1860	0.1860	1.302	1,197	32,200	0.0146	0.0182	1,139
1361.0	42/19	0.1494	0.1494	1.344	1,274	30,300	0.0133	0.0168	1,196
1527.0	42/19	0.1582	0.1582	1.424	1,429	33,600	0.0118	0.0151	1,314
1703.0	42/19	0.1671	0.1671	1.504	1,594	37,500	0.0106	0.0137	1,363
1933.0	42/19	0.1780	0.1780	1.602	1,809	42,500	0.00936	0.0123	1,465
2267.0	42/19	0.1928	0.1928	1.735	2,142	49,900	0.00806	0.0108	1,594
2493.0	72/19	0.1655	0.1655	1.821	2,357	50,400	0.00722	0.0099	1,687
2493.0	54/37	0.1655	0.1655	1.821	2,355	57,600	0.00743	0.0101	1,670

^{*}Current ratings are based on 75°C conductor temperature, 25°C ambient temperature, with 2ft./sec. wind in the sun.

^{**}DC resistance is based on electrical resistivity of 16.946 ohm.cmil/ft @ 20c (61.2% IACS) for 1350-H19 wires and 19.755 ohm.cmil/ft @ 20c (52.5% IACS) for 6201 wires.



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 protecton is available through the application of grease to the core or infusion of the complete cable with grease. Also available with Non Specular surface finish.

SPECIFICATIONS: ACSR bare conductor meets or exceeds the following ASTM specifications:

B-230 Aluminum wire, 1350-H19 for Electrical Purposes

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

	Conductor		Individu	al Strand D	iameter	Comp.		Weight		Cont	ent %	Rated	Resista	ance**	
Code Word	Size	Stranding (AL/STL)	AL	STL	Steel Core	Cable OD	AL	STL	Total	AL	STL	Breaking Strength	DC @ 20°C	AC @ 75°C	Ampacity*
	AWG/kcmil		inches	inches	inches	inches	lbs/kft	lbs/kft	lbs/kft			lbs	Ohms/kft	Ohms/kft	amps
Turkey	6	6/1	0.0661	0.0661	0.0664	0.198	24.5	11.6	36	67.90	32.10	1,190	0.6410	0.806	105
Swan	4	6/1	0.0834	0.0834	0.0834	0.250	39.0	18.4	57	67.90	32.10	1,860	0.4030	0.515	140
Swanate	4	7/1	0.0772	0.1029	0.1029	0.257	39.0	28.0	67	58.13	41.87	2,360	0.3990	0.519	140
Sparrow	2	6/1	0.1052	0.1052	0.1052	0.316	62.0	29.3	91	67.90	32.10	2,850	0.2540	0.332	184
Sparate	2	7/1	0.0974	0.1299	0.1299	0.325	62.0	44.7	107	58.13	41.87	3,640	0.2510	0.338	184
Robin	1	6/1	0.1181	0.1181	0.1181	0.354	78.2	36.9	115	67.90	32.10	3,550	0.2010	0.268	212
Raven	1/0	6/1	0.1327	0.1327	0.1327	0.398	98.7	46.6	145	67.90	32.10	4,380	0.1590	0.217	242
Quail	2/0	6/1	0.1489	0.1489	0.1489	0.447	124.3	58.7	183	67.90	32.10	5,300	0.1260	0.176	276
Pigeon	3/0	6/1	0.1672	0.1672	0.1672	0.502	156.7	74.0	231	67.90	32.10	6,620	0.1000	0.144	315
Penguin	4/0	6/1	0.1878	0.1878	0.1878	0.563	197.7	93.4	291	67.90	32.10	8,350	0.0795	0.119	357
Waxwing	266.8	18/1	0.1217	0.1217	0.1217	0.609	250.3	39.2	290	86.45	13.55	6,880	0.0643	0.079	449
Partridge	266.8	26/7	0.1013	0.0788	0.2364	0.642	251.7	115.5	367	68.53	31.47	11,130	0.0637	0.078	475
Ostrich	300.0	26/7	0.1074	0.0835	0.2505	0.680	282.9	129.8	413	68.53	31.47	12,700	0.0567	0.069	492
Merlin	336.4	18/1	0.1367	0.1367	0.1367	0.683	315.8	49.5	365	86.45	13.55	8,680	0.0510	0.063	519
Linnet	336.4	26/7	0.1137	0.0884	0.2652	0.720	317.1	145.4	463	68.53	31.47	14,100	0.0505	0.062	529
Oriole	336.4	30/7	0.1059	0.1059	0.3177	0.741	318.2	208.9	527	60.35	39.65	17,300	0.0502	0.061	535
Chickadee	397.5	18/1	0.1486	0.1486	0.1486	0.743	373.1	58.5	432	86.45	13.55	9,940	0.0432	0.053	576
Brant	397.5	24/7	0.1287	0.0858	0.2574	0.772	375.0	137.0	512	73.23	26.77	14,600	0.0430	0.053	584
Ibis	397.5	26/7	0.1236	0.0961	0.2882	0.783	374.7	171.9	547	68.53	31.47	16,300	0.0428	0.052	587
Lark	397.5	30/7	0.1151	0.1151	0.3453	0.806	375.8	246.8	623	60.35	39.65	20,300	0.0425	0.052	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	0.044	646
Flicker	477.0	24/7	0.1410	0.0940	0.2820	0.846	450.1	164.4	615	73.23	26.77	17,200	0.0358	0.044	655
Hawk	477.0	26/7	0.1354	0.1053	0.3159	0.858	449.6	206.4	656	68.53	31.47	19,500	0.0356	0.044	659
Hen	477.0	30/7	0.1261	0.1261	0.3783	0.883	451.1	296.2	747	60.35	39.65	23,800	0.0354	0.043	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	0.038	711
Parakeet	556.5	24/7	0.1523	0.1015	0.3045	0.914	525.1	191.7	717	73.23	26.77	19,800	0.0307	0.038	721
Dove	556.5	26/7	0.1463	0.1138	0.3414	0.927	525.0	241.0	766	68.53	31.47	22,600	0.0306	0.038	726
Eagle	556.5	30/7	0.1362	0.1362	0.4086	0.953	526.3	345.6	872	60.35	39.75	27,800	0.0303	0.037	734

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ACSR - Aluminum Conductor Steel Reinforced

	Conductor		Individu	al Strand D	iameter	Comp.		Weight		Cont	ent %	Rated	Resista	ance**	
Code Word	Size	Stranding (AL/STL)	AL	STL	Steel Core	Cable OD	AL	STL	Total	AL	STL	Breaking Strength	DC @ 20°C	AC @ 75°C	Ampacity*
	AWG/kcmil		inches	inches	inches	inches	lbs/kft	lbs/kft	lbs/kft			lbs	Ohms/kft	Ohms/kft	amps
Peacock	605.0	24/7	0.1588	0.1059	0.3177	0.953	570.9	208.7	780	73.23	26.77	21,600	0.0282	0.035	760
Squab	605.0	26/7	0.1525	0.1186	0.3558	0.966	570.4	261.8	832	68.53	31.47	24,300	0.0281	0.035	765
Wood Duck	605.0	30/7	0.1420	0.1420	0.4260	0.994	572.0	375.6	948	60.35	39.55	28,900	0.0279	0.034	774
Teal	605.0	30/19	0.1420	0.0852	0.4260	0.994	572.0	367.4	939	60.89	39.11	30,000	0.0278	0.034	773
KingBird	636.0	18/1	0.1880	0.1880	0.1880	0.940	597.2	93.6	691	86.45	13.55	15,700	0.0270	0.033	773
Swift	636.0	36/1	0.1329	0.1329	0.1329	0.930	596.9	46.8	644	92.80	7.20	13,800	0.0271	0.033	769
Rook	636.0	24/7	0.1628	0.1085	0.3255	0.977	600.0	219.1	819	73.23	26.77	22,600	0.0268	0.033	784
Grosbeak	636.0	26/7	0.1564	0.1216	0.3648	0.990	599.9	276.2	876	68.53	31.47	25,200	0.0267	0.033	789
Scoter	636.0	30/7	0.1456	0.1456	0.4368	1.019	601.4	394.9	996	60.35	39.65	30,400	0.0256	0.033	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	0.033	798
Flamingo	666.6	24/7	0.1667	0.1110	0.3330	1.000	629.1	229.7	859	73.23	26.77	23,700	0.0256	0.032	807
Gannet	666.6	26/7	0.1601	0.1245	0.3735	1.014	628.7	288.5	917	68.53	31.47	26,400	0.0255	0.031	812
Stilt	715.5	24/7	0.1727	0.1151	0.3453	1.036	675.2	246.5	922	73.23	26.77	25,500	0.0239	0.029	844
Starling	715.5	26/7	0.1659	0.1290	0.3870	1.051	675.0	309.7	985	68.53	31.47	28,400	0.0238	0.029	849
Redwing	715.5	30/19	0.1544	0.0926	0.4630	1.081	676.3	434.0	1,110	60.89	39.11	34,600	0.0236	0.029	859
Coot	795.0	36/1	0.1486	0.1486	0.1486	1.040	746.2	58.5	805	92.80	7.20	16,800	0.0217	0.027	894
Cuckoo	795.0	24/7	0.1820	0.1213	0.3640	1.092	749.9	273.8	1,024	72.23	26.77	27,900	0.0215	0.027	901
Drake	795.0	26/7	0.1749	0.1360	0.4080	1.108	750.3	344.2	1,094	68.53	31.47	31,500	0.0214	0.026	907
Tern	795.0	45/7	0.1329	0.0886	0.2660	1.063	749.8	146.1	896	83.69	16.31	22,100	0.0216	0.027	887
Condor	795.0	54/7	0.1213	0.1213	0.3639	1.092	749.5	273.6	1,023	73.25	26.75	28,200	0.0215	0.027	889
Mallard	795.0	30/19	0.1628	0.0977	0.4885	1.140	751.9	483.1	1,235	60.89	39.11	38,400	0.0213	0.026	918
Les Boules	864.9	42/7	0.1435	0.0797	0.2391	1.102	813.4	121.1	935	87.04	12.96	22,480	0.0201	0.025	950
Ruddy	900.0	45/7	0.1414	0.0943	0.2829	1.131	848.7	165.5	1,014	83.69	16.31	24,400	0.0191	0.024	958
Canary	900.0	54/7	0.1291	0.1291	0.3873	1.162	849.0	309.9	1,159	73.25	26.75	31,900	0.0190	0.024	961
Rail	954.0	45/7	0.1456	0.0971	0.2913	1.165	899.9	175.5	1,075	83.69	16.31	25,900	0.0180	0.023	993
Cardinal	954.0	54/7	0.1329	0.1329	0.3987	1.196	900.7	328.4	1,228	73.25	26.75	33,800	0.0179	0.023	996
Ortolan	1033.5	45/7	0.1515	0.1010	0.3030	1.212	974.3	189.8	1,164	83.69	16.31	27,700	0.0167	0.021	1,043
Curlew	1033.5	54/7	0.1383	0.1383	0.4149	1.245	974.3	355.6	1,330	73.25	26.75	36,600	0.0165	0.021	1,047
Beaumont	1113.0	42/7	0.1628	0.0904	0.2712	1.250	1046.5	155.5	1,202	87.06	12.94	28,300	0.0156	0.020	990
Bluejay	1113.0	45/7	0.1573	0.1049	0.3147	1.259	1050.0	204.8	1,255	83.69	16.31	29,800	0.0155	0.019	1,092
Finch	1113.0	54/19	0.1436	0.0862	0.4310	1.293	1056.0	376.0	1,432	73.75	26.25	39,100	0.0154	0.020	1,093
Bunting	1192.5	45/7	0.1628	0.1085	0.3255	1.302	1125.0	219.1	1,344	83.69	16.31	32,000	0.0144	0.018	1,139
Grackle	1192.5	54/19	0.1486	0.0892	0.4460	1.338	1130.0	402.7	1,533	73.75	26.25	41,900	0.0144	0.018	1,140
Bittern	1272.0	45/7	0.1681	0.1121	0.3363	1.345	1200.0	233.9	1,434	83.69	16.31	34,100	0.0135	0.017	1,184
Pheasant	1272.0	54/19	0.1535	0.0921	0.4605	1.382	1206.0	429.3	1,635	73.75	26.25	43,600	0.0135	0.017	1,187
Dipper	1351.5	45/7	0.1733	0.1155	0.3465	1.386	1275.0	248.3	1,523	83.69	16.31	36,200	0.0127	0.016	1,229
Martin	1351.5	54/19	0.1582	0.0949	0.4745	1.424	1281.0	455.8	1,737	72.75	26.25	46,300	0.0127	0.016	1,232

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ACSR - Aluminum Conductor Steel Reinforced

	Conductor		Individu	al Strand D	iameter	Comp.		Weight		Conto	ent %	Rated	Resista	ance**	
Code Word	Size	Stranding (AL/STL)	AL	STL	Steel Core	Cable OD	AL	STL	Total	AL	STL	Breaking Strength	DC @ 20°C	AC @ 75°C	Ampacity*
	AWG/kcmil		inches	inches	inches	inches	lbs/kft	lbs/kft	lbs/kft			lbs	Ohms/kft	Ohms/kft	amps
Bobolink	1431.0	45/7	0.1783	0.1189	0.3567	1.427	1350.0	263.1	1,613	83.69	16.31	38,300	0.0120	0.015	1,272
Plover	1431.0	54/19	0.1628	0.0977	0.4885	1.465	1357.0	483.1	1,840	73.75	26.25	49,100	0.0120	0.016	1,275
Nuthatch	1510.5	45/7	0.1832	0.1221	0.3663	1.465	1425.0	277.4	1,702	83.69	16.31	40,100	0.0114	0.015	1,313
Parrot	1510.5	54/19	0.1672	0.1003	0.5015	1.505	1431.0	509.2	1,940	73.75	26.25	51,700	0.0114	0.015	1,318
Lapwing	1590.0	45/7	0.1880	0.1253	0.3759	1.504	1500.0	292.2	1,792	83.69	16.31	42,200	0.0108	0.014	1,354
Falcon	1590.0	54/19	0.1716	0.1030	0.5150	1.545	1507.0	537.0	2,044	73.75	26.25	54,500	0.0108	0.014	1,359
Chukar	1780.0	84/19	0.1456	0.0874	0.4370	1.602	1688.0	386.6	2,075	81.30	18.70	51,000	0.0097	0.013	1,453
Bluebird	2156.0	84/19	0.1602	0.0961	0.4805	1.762	2044.0	467.4	2,511	81.30	18.70	60,300	0.0081	0.011	1,623
Kiwi	2167.0	72/7	0.1735	0.1157	0.3471	1.735	2055.0	248.9	2,304	89.20	10.80	49,800	0.0080	0.011	1,607
Thrasher	2312.0	76/19	0.1744	0.0814	0.4070	1.802	2191.0	335.4	2,527	86.73	13.27	56,700	0.0075	0.010	1,673
Joree	2515.0	76/19	0.1819	0.0849	0.4245	1.880	2384.0	364.8	2,749	86.73	13.27	61,700	0.0069	0.009	1,751
						High	Mechanic	al Strengt	h						
Grouse	80.0	8/1	0.1000	0.1670	0.1670	0.367	75.1	73.9	149	50.56	49.44	5,200	0.2070	0.261	204
Petrel	101.8	12/7	0.0921	0.0921	0.2763	0.461	96.0	158.0	254	37.79	62.21	10,400	0.1580	0.239	237
Minorca	110.8	12/7	0.0961	0.0961	0.2883	0.481	103.9	172.1	276	37.79	62.21	11,300	0.1450	0.223	246
Leghorn	134.6	12/7	0.1059	0.1059	0.3177	0.530	127.0	209.0	336	37.79	62.21	13,600	0.1200	0.189	273
Guinea	159.0	12/7	0.1151	0.1151	0.3453	0.576	149.2	246.8	396	37.79	62.21	16,000	0.1010	0.165	297
Dotterel	176.9	12/7	0.1214	0.1214	0.3642	0.607	166.4	274.6	441	37.79	62.21	17,300	0.0911	0.151	312
Dorking	190.8	12/7	0.1261	0.1261	0.3783	0.631	179.7	296.3	476	37.79	62.21	18,700	0.0845	0.142	324
Brahma	203.2	16/19	0.1127	0.0977	0.4885	0.714	190.0	485.0	675	28.33	71.67	28,400	0.0764	0.135	341
Cochin	211.3	12/7	0.1327	0.1327	0.3981	0.664	198.8	328.2	527	37.79	62.21	20,700	0.0764	0.131	340

^{*} Current ratings based on 75°C conductor temperature, 25°C ambient temperature, emissivity 0.5, 2ft/sec wind in sun.

^{**} Resistance is calculated using ASTM standard increments of stranding, and metal conductivity of 61.2% IACS for AL (1350) and 8% IACS for steel. AC (60Hz) resistance includes current dependent hysteresis loss factor for 1 and 3 layer constructions.



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 around an aluminum-clad steel core.

SPECIFICATIONS: 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 (ACSR/AW).

Code Word Size Stranding AL AW Code Code AL AW Total Strength DC AC Code Ampsolity		Conductor		Individu	al Strand D	iameter	Comp.		Weight		Rated	Resista	ince**	
Swari/Aw	Code Word			AL	AW			AL	AW	Total		\sim		Ampacity*
Swanate/Aw		AWG/kcmil		inches	inches	inches	inches	lbs/kft	lbs/kft	lbs/kft	lbs	Ohms/kft	Ohms/kft	amps
Sparrow/Aw 2	Swan/Aw	4	6/1	0.0834	0.0834	0.0834	0.250	39	16	55	1,780	0.3917	0.477	145
Sparate/Aw 2	Swanate/Aw	4	7/1	0.0772	0.103	0.1030	0.257	39	24	63	2,280	0.3814	0.4642	148
Robin/Aw	Sparrow/Aw	2	6/1	0.1052	0.1052	0.1052	0.316	62	25	87	2,760	0.2462	0.2997	194
Raven/Aw	Sparate/Aw	2	7/1	0.0974	0.1298	0.1298	0.325	62	38	100	3,510	0.2396	0.2917	198
Quail/Aw 2/0 6/1 0.1489 0.1489 0.447 124 50 174 5,130 0.1227 0.1494 301 Pigeon/Aw 3/0 6/1 0.1672 0.1672 0.502 156 63 219 6,300 0.09747 0.1188 347 Penguin/Aw 4/0 6/1 0.1878 0.1878 0.563 197 79 277 7,690 0.07726 0.09422 402 Waxwing/Aw 266.8 18/1 0.1217 0.1217 0.609 250 33 283 6,820 0.06364 0.07776 451 Patridge/Aw 266.8 26/7 0.1013 0.0788 0.2363 0.642 251 98 349 10,800 0.06169 0.07541 465 Ostrich/Aw 300.0 26/7 0.1074 0.0835 0.2506 0.680 283 110 393 12,100 0.05489 0.06712 500 Merlin/Aw 336.4 26/7	Robin/Aw	1	6/1	0.1181	0.1181	0.1181	0.354	78	31	109	3,450	0.1950	0.2373	225
Pigeon/Aw 3/0 6/1 0.1672 0.1672 0.502 156 63 219 6,300 0.09747 0.1188 347 Penguin/Aw 4/0 6/1 0.1878 0.1878 0.1878 0.563 197 79 277 7,690 0.07726 0.09422 402 Waxwing/Aw 266.8 18/1 0.1217 0.1217 0.609 250 33 283 6,820 0.06364 0.07776 451 Partridge/Aw 266.8 26/7 0.1013 0.0788 0.2363 0.642 251 98 349 10,800 0.06169 0.07541 465 Ostrich/Aw 300.0 26/7 0.1074 0.0835 0.2506 0.680 283 110 393 12,100 0.05489 0.06712 500 Merlin/Aw 336.4 18/1 0.1367 0.1367 0.1367 0.684 315 42 357 8,540 0.05044 0.06175 522 Linnet/Aw	Raven/Aw	1/0	6/1	0.1327	0.1327	0.1327	0.398	99	39	138	4,250	0.1547	0.1884	260
Penguin/Aw	Quail/Aw	2/0	6/1	0.1489	0.1489	0.1489	0.447	124	50	174	5,130	0.1227	0.1494	301
Waxwing/Aw 266.8 18/1 0.1217 0.1217 0.1217 0.609 250 33 283 6,820 0.06364 0.07776 451 Partridge/Aw 266.8 26/7 0.1013 0.0788 0.2363 0.642 251 98 349 10,800 0.06169 0.07541 465 Ostrich/Aw 300.0 26/7 0.1074 0.0835 0.2506 0.680 283 110 393 12,100 0.05489 0.06712 500 Merlin/Aw 336.4 18/1 0.1367 0.1367 0.684 315 42 357 8,540 0.05044 0.06175 522 Linnet/Aw 336.4 26/7 0.1137 0.0885 0.2654 0.720 317 123 440 13,500 0.04897 0.05881 547 Chickadee/Aw 397.5 18/1 0.1486 0.1486 0.743 373 50 422 9,780 0.04268 0.0523 580 Brant/A	Pigeon/Aw	3/0	6/1	0.1672	0.1672	0.1672	0.502	156	63	219	6,300	0.09747	0.1188	347
Partridge/Aw 266.8 26/7 0.1013 0.0788 0.2363 0.642 251 98 349 10,800 0.06169 0.07541 465 Ostrich/Aw 300.0 26/7 0.1074 0.0835 0.2506 0.680 283 110 393 12,100 0.05489 0.06712 500 Merlin/Aw 336.4 18/1 0.1367 0.1367 0.684 315 42 357 8,540 0.05044 0.06175 522 Linnet/Aw 336.4 26/7 0.1137 0.0885 0.2654 0.720 317 123 440 13,500 0.04897 0.05989 537 Oriole/Aw 336.4 30/7 0.1059 0.1059 0.3177 0.741 318 177 494 16,700 0.04795 0.05861 547 Chickadee/Aw 397.5 18/1 0.1486 0.1486 0.743 373 50 422 9,780 0.04268 0.0523 580 Brant/	Penguin/Aw	4/0	6/1	0.1878	0.1878	0.1878	0.563	197	79	277	7,690	0.07726	0.09422	402
Ostrich/Aw 300.0 26/7 0.1074 0.0835 0.2506 0.680 283 110 393 12,100 0.05489 0.06712 500 Merlin/Aw 336.4 18/1 0.1367 0.1367 0.1367 0.684 315 42 357 8,540 0.05044 0.06175 522 Linnet/Aw 336.4 26/7 0.1137 0.0885 0.2654 0.720 317 123 440 13,500 0.04897 0.05989 537 Oriole/Aw 336.4 30/7 0.1059 0.1377 0.741 318 177 494 16,700 0.04795 0.05861 547 Chickadee/Aw 397.5 18/1 0.1486 0.1486 0.743 373 50 422 9,780 0.04268 0.0523 580 Brant/Aw 397.5 26/7 0.1287 0.0858 0.2574 0.772 374 116 490 14,100 0.04185 0.05124 592 Ibis/Aw </td <td>Waxwing/Aw</td> <td>266.8</td> <td>18/1</td> <td>0.1217</td> <td>0.1217</td> <td>0.1217</td> <td>0.609</td> <td>250</td> <td>33</td> <td>283</td> <td>6,820</td> <td>0.06364</td> <td>0.07776</td> <td>451</td>	Waxwing/Aw	266.8	18/1	0.1217	0.1217	0.1217	0.609	250	33	283	6,820	0.06364	0.07776	451
Merlin/Aw 336.4 18/1 0.1367 0.1367 0.684 315 42 357 8,540 0.05044 0.06175 522 Linnet/Aw 336.4 26/7 0.1137 0.0885 0.2654 0.720 317 123 440 13,500 0.04897 0.05989 537 Oriole/Aw 336.4 30/7 0.1059 0.1059 0.3177 0.741 318 177 494 16,700 0.04268 0.0523 580 Brant/Aw 397.5 18/1 0.1486 0.1486 0.743 373 50 422 9,780 0.04268 0.0523 580 Brant/Aw 397.5 24/7 0.1287 0.0858 0.2574 0.772 374 116 490 14,100 0.04185 0.05124 592 Ibis/Aw 397.5 26/7 0.1236 0.0962 0.2885 0.783 374 146 520 15,800 0.04144 0.05072 597 Lark/Aw	Partridge/Aw	266.8	26/7	0.1013	0.0788	0.2363	0.642	251	98	349	10,800	0.06169	0.07541	465
Linnet/Aw 336.4 26/7 0.1137 0.0885 0.2654 0.720 317 123 440 13,500 0.04897 0.05989 537 Oriole/Aw 336.4 30/7 0.1059 0.1059 0.3177 0.741 318 177 494 16,700 0.04795 0.05861 547 Chickadee/Aw 397.5 18/1 0.1486 0.1486 0.743 373 50 422 9,780 0.04268 0.0523 580 Brant/Aw 397.5 24/7 0.1287 0.0858 0.2574 0.772 374 116 490 14,100 0.04185 0.05124 592 Ibis/Aw 397.5 26/7 0.1236 0.0962 0.2885 0.783 374 146 520 15,800 0.04144 0.05072 597 Lark/Aw 397.5 30/7 0.1151 0.3453 0.806 375 209 584 19,600 0.04059 0.04965 608 Pelican/Aw </td <td>Ostrich/Aw</td> <td>300.0</td> <td>26/7</td> <td>0.1074</td> <td>0.0835</td> <td>0.2506</td> <td>0.680</td> <td>283</td> <td>110</td> <td>393</td> <td>12,100</td> <td>0.05489</td> <td>0.06712</td> <td>500</td>	Ostrich/Aw	300.0	26/7	0.1074	0.0835	0.2506	0.680	283	110	393	12,100	0.05489	0.06712	500
Oriole/Aw 336.4 30/7 0.1059 0.1059 0.3177 0.741 318 177 494 16,700 0.04795 0.05861 547 Chickadee/Aw 397.5 18/1 0.1486 0.1486 0.743 373 50 422 9,780 0.04268 0.0523 580 Brant/Aw 397.5 24/7 0.1287 0.0858 0.2574 0.772 374 116 490 14,100 0.04185 0.05124 592 Ibis/Aw 397.5 26/7 0.1236 0.0962 0.2885 0.783 374 146 520 15,800 0.04144 0.05072 597 Lark/Aw 397.5 30/7 0.1151 0.1151 0.3453 0.806 375 209 584 19,600 0.04059 0.04965 608 Pelican/Aw 477.0 18/1 0.1628 0.1628 0.814 447 59 507 11,500 0.03487 0.04273 663 Hawk/Aw	Merlin/Aw	336.4	18/1	0.1367	0.1367	0.1367	0.684	315	42	357	8,540	0.05044	0.06175	522
Chickadee/Aw 397.5 18/1 0.1486 0.1486 0.1486 0.743 373 50 422 9,780 0.04268 0.0523 580 Brant/Aw 397.5 24/7 0.1287 0.0858 0.2574 0.772 374 116 490 14,100 0.04185 0.05124 592 Ibis/Aw 397.5 26/7 0.1236 0.0962 0.2885 0.783 374 146 520 15,800 0.04144 0.05072 597 Lark/Aw 397.5 30/7 0.1151 0.1151 0.3453 0.806 375 209 584 19,600 0.04059 0.04965 608 Pelican/Aw 477.0 18/1 0.1628 0.1628 0.1628 0.814 447 59 507 11,500 0.03456 0.04344 651 Flicker/Aw 477.0 24/7 0.1410 0.0940 0.2819 0.846 449 139 589 16,700 0.03487 0.04273 663	Linnet/Aw	336.4	26/7	0.1137	0.0885	0.2654	0.720	317	123	440	13,500	0.04897	0.05989	537
Brant/Aw 397.5 24/7 0.1287 0.0858 0.2574 0.772 374 116 490 14,100 0.04185 0.05124 592 Ibis/Aw 397.5 26/7 0.1236 0.0962 0.2885 0.783 374 146 520 15,800 0.04144 0.05072 597 Lark/Aw 397.5 30/7 0.1151 0.1151 0.3453 0.806 375 209 584 19,600 0.04059 0.04965 608 Pelican/Aw 477.0 18/1 0.1628 0.1628 0.814 447 59 507 11,500 0.03556 0.04344 651 Flicker/Aw 477.0 24/7 0.1410 0.0940 0.2819 0.846 449 139 589 16,700 0.03487 0.04273 663 Hawk/Aw 477.0 30/7 0.1261 0.1261 0.3783 0.883 450 251 701 23,400 0.03382 0.04139 682	Oriole/Aw	336.4	30/7	0.1059	0.1059	0.3177	0.741	318	177	494	16,700	0.04795	0.05861	547
Disign D	Chickadee/Aw	397.5	18/1	0.1486	0.1486	0.1486	0.743	373	50	422	9,780	0.04268	0.0523	580
Lark/Aw 397.5 30/7 0.1151 0.1151 0.3453 0.806 375 209 584 19,600 0.04059 0.04965 608 Pelican/Aw 477.0 18/1 0.1628 0.1628 0.814 447 59 507 11,500 0.03556 0.04344 651 Flicker/Aw 477.0 24/7 0.1410 0.0940 0.2819 0.846 449 139 589 16,700 0.03487 0.04273 663 Hawk/Aw 477.0 26/7 0.1354 0.1053 0.3160 0.858 449 175 624 18,900 0.03487 0.04231 669 Hen/Aw 477.0 30/7 0.1261 0.1261 0.3783 0.883 450 251 701 23,400 0.03382 0.04139 682 Osprey/Aw 556.5 18/1 0.1758 0.1758 0.879 522 69 591 13,200 0.03050 0.03749 715 Parakeet/Aw <td>Brant/Aw</td> <td>397.5</td> <td>24/7</td> <td>0.1287</td> <td>0.0858</td> <td>0.2574</td> <td>0.772</td> <td>374</td> <td>116</td> <td>490</td> <td>14,100</td> <td>0.04185</td> <td>0.05124</td> <td>592</td>	Brant/Aw	397.5	24/7	0.1287	0.0858	0.2574	0.772	374	116	490	14,100	0.04185	0.05124	592
Pelican/Aw 477.0 18/1 0.1628 0.1628 0.1628 0.814 447 59 507 11,500 0.03556 0.04344 651 Flicker/Aw 477.0 24/7 0.1410 0.0940 0.2819 0.846 449 139 589 16,700 0.03487 0.04273 663 Hawk/Aw 477.0 26/7 0.1354 0.1053 0.3160 0.858 449 175 624 18,900 0.03453 0.04231 669 Hen/Aw 477.0 30/7 0.1261 0.1261 0.3783 0.883 450 251 701 23,400 0.03382 0.04139 682 Osprey/Aw 556.5 18/1 0.1758 0.1758 0.879 522 69 591 13,200 0.03050 0.03749 715 Parakeet/Aw 556.5 24/7 0.1523 0.1015 0.3045 0.914 524 163 687 19,300 0.02989 0.03667 731 <tr< td=""><td>Ibis/Aw</td><td>397.5</td><td>26/7</td><td>0.1236</td><td>0.0962</td><td>0.2885</td><td>0.783</td><td>374</td><td>146</td><td>520</td><td>15,800</td><td>0.04144</td><td>0.05072</td><td>597</td></tr<>	Ibis/Aw	397.5	26/7	0.1236	0.0962	0.2885	0.783	374	146	520	15,800	0.04144	0.05072	597
Flicker/Aw 477.0 24/7 0.1410 0.0940 0.2819 0.846 449 139 589 16,700 0.03487 0.04273 663 Hawk/Aw 477.0 26/7 0.1354 0.1053 0.3160 0.858 449 175 624 18,900 0.03453 0.04231 669 Hen/Aw 477.0 30/7 0.1261 0.1261 0.3783 0.883 450 251 701 23,400 0.03382 0.04139 682 Osprey/Aw 556.5 18/1 0.1758 0.1758 0.879 522 69 591 13,200 0.03050 0.03749 715 Parakeet/Aw 556.5 24/7 0.1523 0.1015 0.3045 0.914 524 163 687 19,300 0.02989 0.03667 731 Dove/Aw 556.5 26/7 0.1463 0.1138 0.3413 0.927 524 204 728 21,900 0.02989 0.03627 737	Lark/Aw	397.5	30/7	0.1151	0.1151	0.3453	0.806	375	209	584	19,600	0.04059	0.04965	608
Hawk/Aw 477.0 26/7 0.1354 0.1053 0.3160 0.858 449 175 624 18,900 0.03453 0.04231 669 Hen/Aw 477.0 30/7 0.1261 0.1261 0.3783 0.883 450 251 701 23,400 0.03382 0.04139 682 Osprey/Aw 556.5 18/1 0.1758 0.1758 0.879 522 69 591 13,200 0.03050 0.03749 715 Parakeet/Aw 556.5 24/7 0.1523 0.1015 0.3045 0.914 524 163 687 19,300 0.02989 0.03667 731 Dove/Aw 556.5 26/7 0.1463 0.1138 0.3413 0.927 524 204 728 21,900 0.02958 0.03627 737 Eagle/Aw 556.5 30/7 0.1362 0.1362 0.4086 0.953 525 293 818 26,800 0.02899 0.03551 751	Pelican/Aw	477.0	18/1	0.1628	0.1628	0.1628	0.814	447	59	507	11,500	0.03556	0.04344	651
Hen/Aw 477.0 30/7 0.1261 0.1261 0.3783 0.883 450 251 701 23,400 0.03382 0.04139 682 Osprey/Aw 556.5 18/1 0.1758 0.1758 0.1758 0.879 522 69 591 13,200 0.03050 0.03749 715 Parakeet/Aw 556.5 24/7 0.1523 0.1015 0.3045 0.914 524 163 687 19,300 0.02989 0.03667 731 Dove/Aw 556.5 26/7 0.1463 0.1138 0.3413 0.927 524 204 728 21,900 0.02958 0.03627 737 Eagle/Aw 556.5 30/7 0.1362 0.4086 0.953 525 293 818 26,800 0.02899 0.03551 751 Peacock/Aw 605.0 24/7 0.1588 0.1059 0.3175 0.953 570 177 746 21,000 0.02749 0.03377 770	Flicker/Aw	477.0	24/7	0.1410	0.0940	0.2819	0.846	449	139	589	16,700	0.03487	0.04273	663
Osprey/Aw 556.5 18/1 0.1758 0.1758 0.1758 0.1758 0.879 522 69 591 13,200 0.03050 0.03749 715 Parakeet/Aw 556.5 24/7 0.1523 0.1015 0.3045 0.914 524 163 687 19,300 0.02989 0.03667 731 Dove/Aw 556.5 26/7 0.1463 0.1138 0.3413 0.927 524 204 728 21,900 0.02958 0.03627 737 Eagle/Aw 556.5 30/7 0.1362 0.1362 0.4086 0.953 525 293 818 26,800 0.02899 0.03551 751 Peacock/Aw 605.0 24/7 0.1588 0.1059 0.3175 0.953 570 177 746 21,000 0.02749 0.03377 770 Squab/Aw 605.0 26/7 0.1525 0.1186 0.3559 0.966 570 222 792 23,600 0.02588 0.	Hawk/Aw	477.0	26/7	0.1354	0.1053	0.3160	0.858	449	175	624	18,900	0.03453	0.04231	669
Parakeet/Aw 556.5 24/7 0.1523 0.1015 0.3045 0.914 524 163 687 19,300 0.02989 0.03667 731 Dove/Aw 556.5 26/7 0.1463 0.1138 0.3413 0.927 524 204 728 21,900 0.02958 0.03627 737 Eagle/Aw 556.5 30/7 0.1362 0.1362 0.4086 0.953 525 293 818 26,800 0.02899 0.03551 751 Peacock/Aw 605.0 24/7 0.1588 0.1059 0.3175 0.953 570 177 746 21,000 0.02749 0.03377 770 Squab/Aw 605.0 26/7 0.1525 0.1186 0.3559 0.966 570 222 792 23,600 0.02588 0.03341 777	Hen/Aw	477.0	30/7	0.1261	0.1261	0.3783	0.883	450	251	701	23,400	0.03382	0.04139	682
Dove/Aw 556.5 26/7 0.1463 0.1138 0.3413 0.927 524 204 728 21,900 0.02958 0.03627 737 Eagle/Aw 556.5 30/7 0.1362 0.1362 0.4086 0.953 525 293 818 26,800 0.02899 0.03551 751 Peacock/Aw 605.0 24/7 0.1588 0.1059 0.3175 0.953 570 177 746 21,000 0.02749 0.03377 770 Squab/Aw 605.0 26/7 0.1525 0.1186 0.3559 0.966 570 222 792 23,600 0.02588 0.03341 777	Osprey/Aw	556.5	18/1	0.1758	0.1758	0.1758	0.879	522	69	591	13,200	0.03050	0.03749	715
Eagle/Aw 556.5 30/7 0.1362 0.1362 0.4086 0.953 525 293 818 26,800 0.02899 0.03551 751 Peacock/Aw 605.0 24/7 0.1588 0.1059 0.3175 0.953 570 177 746 21,000 0.02749 0.03377 770 Squab/Aw 605.0 26/7 0.1525 0.1186 0.3559 0.966 570 222 792 23,600 0.02588 0.03341 777	Parakeet/Aw	556.5	24/7	0.1523	0.1015	0.3045	0.914	524	163	687	19,300	0.02989	0.03667	731
Peacock/Aw 605.0 24/7 0.1588 0.1059 0.3175 0.953 570 177 746 21,000 0.02749 0.03377 770 Squab/Aw 605.0 26/7 0.1525 0.1186 0.3559 0.966 570 222 792 23,600 0.02588 0.03341 777	Dove/Aw	556.5	26/7	0.1463	0.1138	0.3413	0.927	524	204	728	21,900	0.02958	0.03627	737
Squab/Aw 605.0 26/7 0.1525 0.1186 0.3559 0.966 570 222 792 23,600 0.02588 0.03341 777	Eagle/Aw	556.5	30/7	0.1362	0.1362	0.4086	0.953	525	293	818	26,800	0.02899	0.03551	751
	Peacock/Aw	605.0	24/7	0.1588	0.1059	0.3175	0.953	570	177	746	21,000	0.02749	0.03377	770
Teal/Aw 605.0 30/19 0.1420 0.0852 0.4260 0.994 571 311 883 28 500 0.02672 0.03274 791	Squab/Aw	605.0	26/7	0.1525	0.1186	0.3559	0.966	570	222	792	23,600	0.02588	0.03341	777
1 55.5 55.5 5.75 5	Teal/Aw	605.0	30/19	0.1420	0.0852	0.4260	0.994	571	311	883	28,500	0.02672	0.03274	791

(Continued on page 9)



ACSR/AW

	Conductor		Individu	al Strand D	iameter	Comp.		Weight		Rated	Resista	ance**	
Code Word	Size	Stranding (AL/AW)	AL	AW	AW Core	Cable OD	AL	AW	Total	Breaking Strength	DC @ 20°C	AC @ 75°C	Ampacity*
	AWG/kcmil		inches	inches	inches	inches	lbs/kft	lbs/kft	lbs/kft	lbs	Ohms/kft	Ohms/kft	amps
Kingbird/Aw	636.0	18/1	0.1880	0.1880	0.1880	0.94	596	79	675	15,000	0.02667	0.03286	778
Rook/Aw	636.0	24/7	0.1628	0.1085	0.3256	0.977	599	186	785	22,000	0.02616	0.03216	794
Grosbeak/Aw	636.0	26/7	0.1564	0.1216	0.3649	0.991	599	233	832	24,800	0.02588	0.03179	801
Flamingo/Aw	666.6	24/7	0.1667	0.1111	0.3333	1.000	628	195	823	23,100	0.02495	0.03069	818
Gannet/Aw	666.6	26/7	0.1601	0.1245	0.3736	1.014	628	245	872	26,000	0.02470	0.03034	825
Starling/Aw	715.5	26/7	0.1659	0.1290	0.3871	1.051	674	263	936	27,500	0.02300	0.0283	863
Redwing/Aw	715.5	30/19	0.1544	0.0927	0.4633	1.081	676	368	1,044	33,400	0.02260	0.02777	878
Cuckoo/Aw	795.0	24/7	0.1820	0.1213	0.3640	1.092	749	232	981	27,500	0.02093	0.02582	913
Drake/Aw	795.0	26/7	0.1749	0.1360	0.4080	1.107	749	292	1,040	30,500	0.0207	0.02549	922
Tern/Aw	795.0	45/7	0.1329	0.0886	0.2658	1.063	749	124	873	21,500	0.02135	0.02638	896
Condor/Aw	795.0	54/7	0.1213	0.1213	0.3640	1.092	749	232	981	27,800	0.02091	0.02578	913
Mallard/Aw	795.0	30/19	0.1628	0.0977	0.4884	1.139	751	409	1,160	37,100	0.02033	0.02500	938
Ruddy/Aw	900.0	45/7	0.1414	0.0943	0.2828	1.131	848	140	988	24,000	0.01886	0.02330	970
Canary/Aw	900.0	54/7	0.1291	0.1291	0.3873	1.162	848	263	1,111	31,000	0.01849	0.02286	986
Rail/Aw	954.0	45/7	0.1456	0.0971	0.2912	1.165	899	149	1,047	25,400	0.01779	0.02210	1,003
Cardinal/Aw	954.0	54/7	0.1329	0.1329	0.3987	1.196	899	279	1,177	32,900	0.01744	0.02161	1,022
Ortolan/Aw	1033.5	45/7	0.1515	0.1010	0.3031	1.212	973	161	1,134	27,200	0.01641	0.02044	1,054
Curlew/Aw	1033.5	54/7	0.1383	0.1383	0.4150	1.245	973	302	1,275	35,200	0.01609	0.01997	1,074
Bluejay/Aw	1113	45/7	0.1573	0.1048	0.3145	1.258	1,048	173	1,222	29,300	0.01606	0.01905	1,103
Pheasant/Aw	1272	54/19	0.1535	0.0921	0.4604	1.381	1,204	364	1,568	42,400	0.01315	0.01646	1,216
Bobolink/Aw	1431	45/7	0.1783	0.1189	0.3566	1.427	1,348	223	1,571	37,600	0.01186	0.01503	1,283
Lapwing/Aw	1590	45/7	0.1880	0.1253	0.3759	1.504	1,498	248	1,745	41,800	0.01069	0.01366	1,365
High Mechanic	cal Strength												
Grouse/Aw	80.0	8/1	0.1000	0.1670	0.1670	0.367	75	63	138	4,890	0.1942	0.2357	227
Petrel/Aw	101.8	12/7	0.0921	0.0921	0.2763	0.460	96	134	230	9,910	0.1425	0.1736	281
Minorca/Aw	110.8	12/7	0.0961	0.0961	0.2883	0.481	105	146	251	10,800	0.1326	0.1594	297
Leghorn/Aw	134.6	12/7	0.1059	0.1059	0.3177	0.530	127	177	304	13,000	0.1078	0.1313	335
Guinea/Aw	159.0	12/7	0.1151	0.1151	0.3453	0.576	150	209	359	15,300	0.09123	0.1112	372
Dotterel/Aw	176.9	12/7	0.1214	0.1214	0.3642	0.607	167	233	400	16,900	0.08201	0.09988	398
Dorking/Aw	190.8	12/7	0.1261	0.1261	0.3783	0.631	180	251	431	18,300	0.07601	0.09261	418
Brahma/Aw	203.2	16/19	0.1127	0.0977	0.4885	0.714	192	411	603	27,100	0.06570	0.07994	464
Cochin/Aw	211.3	12/7	0.1327	0.1327	0.3981	0.664	199	278	477	19,800	0.06863	0.08364	445

^{*}Conductor temperature of 75°C ambient temperature of 25°C, emissivity 0.5, wind 2 ft/sec, in sun.

^{**} Resistance is calculated using ASTM standard increments of stranding, and metal conductivity of 61.2% IACS for AL (1350) and 8% IACS for steel. AC (60Hz) resistance includes current dependent hysteresis loss factor for 1 and 3 layer constructions.



ACSR/TP Bare Overhead Conductor

APPLICATION: This conductor has become highly popular; it resists galloping with changing wind-attack profile, and shows low Aeolian vibration and sub-conductor oscillation. ACSR/TP conductors are used for overhead distribution and transmission lines which are subject to wind induced motion damage.

CONSTRUCTION: ACSR/TP is a pair of identical stranded aluminum, steel reinforced, conductors twisted around each other with a long lay (nine foot intervals). ACSR/TP conductors are manufactured in accordance with the latest applicable issue of ASTM B911. The sizes and stranding listed are those most frequently used for overhead lines. The steel core wires are protected by galvanizing, aluminizing or aluminum cladding. The standard Class A zinc coating is usually adequate for ordinary environments. For greater protection, Class B and C galvanized coatings, aluminized or Aluminum Clad steel cores may be specified.

RUS ACCEPTED

			Component	t	Total (Cross			Wei	a la i		F	lesistance*	*	
	Conductor Size	Size	No. x Strand	d Diameter	Section	al Area	Outer Dimensions	Equiv. Diameter	Wei	gnı	Rated Strength	DC @	AC @	AC @	Ampacity*
Code Word		0126	AL	Steel	Total	AL			Total	AL		20°C	25°C	75°C	
	AWG/ kcmil	AWG/ kcmil	inches	inches	sq. inches	sq. inches	inches	inches	lbs/ kft	lbs/ kft	lbs	Ohms/ kf	Ohms/ kf	Ohms/ kf	amps
Swan/TP	1	4	6 x 0.0834	1 x 0.0834	0.0765	0.0656	0.250 x 0.500	0.410	115	77.9	3,720	0.2016	0.2058	0.2465	245
Swanate/TP	1	4	7 x 0.0772	1 x 0.1029	0.0822	0.0655	0.257 x 0.514	0.410	134	77.9	4,720	0.2016	0.2035	0.2438	245
Sparrow/TP	2/0	2	6 x 0.1052	1 x 0.1052	0.1216	0.1042	0.315 x 0.631	0.517	182	124	5,700	0.1268	0.1294	0.1551	325
Sparate/TP	2/0	2	7 x 0.0974	1 x 0.1299	0.1307	0.1042	0.325 x 0.649	0.531	213	124	7,280	0.1254	0.1280	0.1533	330
Raven/TP	4/0	1/0	6 x 0.1327	1 x 0.1327	0.1935	0.1659	0.398 x 0.796	0.651	290	197	8,760	0.0797	0.0814	0.0975	440
Quail/TP	266.2	2/0	6 x 0.1489	1 x 0.1489	0.2439	0.2091	0.447 x 0.894	0.731	366	248	10,600	0.0632	0.0646	0.0773	440
Penguin/TP	423.2	4/0	6 x 0.1878	1 x 0.1878	0.3878	0.3324	0.563 x 1.127	0.922	582	395	16,700	0.0398	0.0408	0.0488	690
Merlin/TP	672.8	336.4	18 x 0.1367	1 x 0.1367	0.5578	0.5284	0.684 x 1.367	1.119	730	631	17,400	0.0255	0.0264	0.0315	915
Ibis/TP	795	397.5	26 x 0.1236	7 x 0.0961	0.7261	0.6244	0.783 x 1.566	1.282	1093	749	32,600	0.0214	0.0221	0.0264	1040

All values are nominal and subject to correction

NOTE: TP wire is manufactured per ASTM B911 with a standard 9ft lay, other lay length is available upon request.

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 conductor

SPECIFICATIONS: Meets or exceeds standard ASTM: B-609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers for Electrical Purposes

Conductor Size	Stranding	Diameter	Weight	Rated Strength
AWG	Strailuring	inches	lbs/kft	lbs
6	Solid	0.1620	24.1	232
4	Solid	0.2043	38.4	369
2	Solid	0.2576	61.0	586

^{*}Ampacity based on conductor temperature rise of 50°C over 25°C ambient, 2ft/sec crosswind, 0.5 coefficient of emissivity, no sun, @60 Hz. Ampacity for single-layer conductors does not include the effect of core magnetization.

^{**}Resistance is based on conductivity of 61.2% IACS @20°C for aluminum and 8% IACS at 20°C for the steel core. AC resistance values for single-layer conductors do not include the effect of core magnetization.



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: Aluminum alloy 1350-H19, 6201-T81, or ACSR conductors, concentrically stranded and covered for protection against circuit interruption due to weather with polyethylene, high density polyethylene (HDPE) 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 Alloy

RUS ACCEPTED

	Ciro		Insulation	Outside	Rated	W	eight	Ampacity*
Code Word	Size	Stranding (AL/Steel)	Thickness	Diameter	Strength	XLP	POLY	75°C
	AWG/kcmil		inches	inches	lbs	lbs/kft	lbs/kft	amps
			A	CSR Conduct	ors			
Walnut	6	6/1	0.030	0.26	1,131	49	47	105
Butternut	4	6/1	0.030	0.30	1,760	72	70	135
Hickory	4	7/1	0.030	0.31	2,240	82	80	135
Pignut	2	6/1	0.045	0.40	2,710	118	115	180
Beech	2	7/1	0.045	0.41	3,460	134	131	180
Chestnut	1	6/1	0.045	0.43	3,370	146	142	210
Almond	1/0	6/1	0.060	0.51	4,160	190	185	235
Pecan	2/0	6/1	0.060	0.55	5,040	234	228	270
Filbert	3/0	6/1	0.060	0.61	6,290	289	281	305
Buckeye	4/0	6/1	0.060	0.67	7,930	366	349	345
Hackberry	266.8	18/1	0.060	0.71	6,540	355	347	435
			P	AC Conducto	irs			
Apple	6	Solid	0.030	0.22	445	33	32	105
Pear	4	Solid	0.030	0.26	675	49	47	135
Apricot	4	7	0.030	0.29	790	52	51	140
Peach	2	7	0.045	0.37	1,220	87	84	180
Quince	1/0	7	0.060	0.48	1,790	141	136	240
Orange	2/0	7	0.060	0.52	2,260	172	166	280
Fig	3/0	7	0.060	0.57	2,740	211	204	320
Olive	4/0	7	0.060	0.63	3,450	259	251	370
Mulberry	266.8	19	0.060	0.69	4,470	314	306	430
Anona	336.4	19	0.060	0.77	5,535	388	379	495
Huckleberry	477	37	0.075	0.92	7,820	550	538	610
Paw Paw	556.5	37	0.075	0.98	8,950	633	619	670

All values are nominal and subject to correction

NOTE: The code words as given apply to conventional high density polyethylene covered ACSR & AAC line wires.

Line wire with AAAC 6201-T81 conductor available upon request.

^{*}Ampacity ratings are based on 75°C conductor temperature 25°C ambient temperature at sea level, emissivity 0.91, coefficient of absorption 0.95, thermal resistivity of covering -375°C-Cm2/watt-CM, wind speed 2ft./sec in sun.



Duplex Overhead Aluminum Conductor (Service Drop)

APPLICATION: To supply aerial power 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 for polyethylene insulation or 90°C maximum for cross linked insulation.

CONSTRUCTION: Concentrically stranded, compressed 1350-H19 aluminum conductor, cross-linked polyethylene (XLP) or polyethylene (PE) insulation, concentrically stranded AAC, ACSR, or AAAC 6201 alloy neutral messenger.

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

OPTIONS: Ridged Phase ID

	Pha	ase Conduc	tor	Bare N	leutral Mes	senger	Con	pleted Cable		Ampa	city*
Code Word	0:		Insulation	0:		Breaking	Diamatau	Weiç	jht	XLP	PE
Code Word	Size	No. of Strands	Thickness	Size	No. of Strands	Strength	Diameter	XLP	Poly	90°C	75°C
	AWG/kcmil		inches	AWG/kcmil		lbs	inches	lbs/kft	lbs/kft	amps	amps
				AAC	NEUTRAL	MESSENGER	}				
Pekingese	6	Solid	0.045	6	7	563	0.44	64	62	85	70
Collie	6	7	0.045	6	7	563	0.46	69	63	85	70
Dachshund	4	Solid	0.045	4	7	881	0.53	96	93	115	90
Spaniel	4	7	0.045	4	7	881	0.56	101	95	115	90
Doberman	2	7	0.045	2	7	1,350	0.68	153	146	150	120
Malamute	1/0	19	0.060	1/0	7	1,990	0.87	243	234	205	160
				ACS	R NEUTRAL	MESSENGE	R				
Setter	6	Solid	0.045	6	6/1	1,190	0.46	75	73	85	70
Shepherd	6	7	0.045	6	6/1	1,190	0.48	78	75	85	70
Eskimo	4	Solid	0.045	4	6/1	1,860	0.55	114	112	115	90
Terrier	4	7	0.045	4	6/1	1,860	0.58	119	114	115	90
Chow	2	7	0.045	2	6/1	2,850	0.70	182	175	150	120
Bull	1/0	19	0.060	1/0	6/1	4,380	0.90	289	280	205	160
				6201 ALI	LOY NEUTR	AL MESSENG	ER**				
Chihuahua	6	Solid	0.045	6	7	1,110	0.46	68	66	85	70
Vizsla	6	7	0.045	6	7	1,110	0.48	71	67	85	70
Harrier	4	Solid	0.045	4	7	1,760	0.55	102	100	115	90
Whippet	4	7	0.045	4	7	1,760	0.58	107	102	115	90
Schnauzer	2	7	0.045	2	7	2,800	0.70	163	156	150	120
Heeler	1/0	19	0.060	1/0	7	4,460	0.90	1259	251	205	160

All values are nominal and subject to correction

^{*}Conductor temperature of 90°C for XLP, 75°C for PE; ambient temperature of 40°C, emissivity 0.9; 2ft/sec. wind in sun.

^{**}Designated 6201 neutral sizes are ACSR 6/1 diameter equivalent, phase conductor resistivity equivalent per ASTM B399.



Triplex Overhead Aluminum Conductor (Service Drop)

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

CONSTRUCTION: Concentrically stranded, compressed 1350-H19 aluminum conductor, cross-linked polyethylene (XLP) or polyethylene (PE) insulation, concentrically stranded AAC, ACSR or 6201 alloy bare neutral messenger.

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

OPTIONS: Ridged Phase ID

RUS ACCEPTED

	Pha	ase Conduc	tor	Bare I	Neutral Mess	senger	Con	pleted Cable		Ampa	city*
Code Mond	0:		Insulation	0:		Breaking	Diamatan	Weig	ıht	XLP	PE
Code Word	Size	No. of Strands	Thickness	Size	No. of Strands	Strength	Diameter	XLP	Poly	90°C	75°C
	AWG/kcmil	Ottulius	inches	AWG/kcmil	Ottulius	lbs	inches	lbs/kft	lbs/kft	amps	amps
				6201 AI	LLOY NEUTF	RAL MESSENG	ER*				
Minex	6	Solid	0.045	6	7	1,110	0.53	107	103	85	70
Нірра	6	7	0.045	6	7	1,110	0.57	107	106	85	70
Prawn	4	Solid	0.045	4	7	1,760	0.62	158	154	115	90
Barnacles	4	7	0.045	4	7	1,760	0.67	160	157	115	90
Shrimp	2	7	0.045	2	7	2,800	0.80	243	238	150	120
Gammarus	1/0	7	0.060	1/0	7	4,460	1.02	390	384	205	160
Leda	1/0	19	0.060	1/0	7	4,460	1.03	384	378	205	160
Dungeness	2/0	7	0.060	2/0	7	5,390	1.11	481	474	235	185
Cyclops	2/0	19	0.060	2/0	7	5,390	1.12	473	467	235	185
Flustra	3/0	19	0.060	3/0	7	6,790	1.23	596	589	275	215
Lepas	4/0	19	0.060	4/0	7	8,560	1.35	725	716	315	245
				6201 ALLOY	REDUCED N	IEUTRAL MES	SENGER*				
Artemia	4	Solid	0.045	6	7	1,110	0.62	134	132	115	90
Crab	4	7	0.045	6	7	1,110	0.67	144	141	115	90
Solaster	2	7	0.045	4	7	1,760	0.80	216	212	150	120
Sandcrab	1/0	7	0.060	2	7	2,800	1.02	348	341	205	160
Echinus	1/0	19	0.060	2	7	2,800	1.03	342	336	205	160
Crayfish	2/0	7	0.060	1	7	3,530	1.11	453	423	235	185
Sipho	2/0	19	0.060	1	7	3,530	1.12	441	423	235	185
Fulgar	3/0	19	0.060	1/0	7	4,460	1.23	525	518	275	215
Arca	4/0	19	0.060	2/0	7	5,390	1.35	640	632	315	245
				AA	C NEUTRAL	MESSENGER					
Haiotis	6	Solid	0.045	6	7	563	0.53	103	99	85	70
Patella	6	7	0.045	6	7	563	0.57	104	102	85	70
Fusus	4	Solid	0.045	4	7	881	0.62	152	148	115	90
Oyster	4	7	0.045	4	7	881	0.67	154	152	115	90

^{*}Designated 6201 neutral sizes are ACSR 6/1 diameter equivalent, phase conductor resistivity equivalent per ASTM B399

^{**}Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C, emissivity 0.9, 2ft/sec. wind in sun. (Continued on page 14)



Triplex Overhead Aluminum Conductor (Service Drop)

	Ph	ase Conduc	tor	Bare l	Neutral Mess	senger	Con	npleted Cable		Ampa	city*
0-4-1/4	0:		Insulation	0:		Breaking	Diamatan	Weig	ght	XLP	PE
Code Word	Size	No. of Strands	Thickness	Size	No. of Strands	Strength	Diameter	XLP	Poly	90°C	75°C
	AWG/kcmil	Ottanus	inches	AWG/kcmil	otranus	lbs	inches	lbs/kft	lbs/kft	amps	amps
				AAC NEU	TRAL MESS	ENGER (conti	nued)				
Mussel	2	7	0.045	4	7	881	0.80	208	204	150	120
Clam	2	7	0.045	2	7	1,350	0.80	232	228	150	120
Snail	1/0	7	0.060	2	7	1,350	1.02	336	329	205	160
Murex	1/0	7	0.060	1/0	7	1,990	1.02	374	367	205	160
Purpura	1/0	19	0.060	1/0	7	1,990	1.03	368	362	205	160
Nassa	2/0	7	0.060	2/0	7	2,510	1.11	461	453	235	185
Melita	3/0	19	0.060	3/0	19	3,310	1.23	585	563	275	215
Portunus	4/0	19	0.060	4/0	19	4,020	1.35	693	684	315	245
Nannynose	336.4	19	0.080	336.4	19	6,146	1.72	1,110	1,096	420	325
				ACSR FU	LL SIZE NEI	JTRAL MESSE	NGER				
Paludina	6	Solid	0.045	6	6/1	1,190	0.53	114	113	85	70
Voluta	6	7	0.045	6	6/1	1,190	0.57	115	112	85	70
Whelk	4	Solid	0.045	4	6/1	1,860	0.62	163	161	115	90
Periwinkle	4	7	0.045	4	6/1	1,860	0.67	172	169	115	90
Conch	2	7	0.045	2	6/1	2,850	0.80	262	257	150	120
Neritina	1/0	7	0.060	1/0	6/1	4,380	1.02	420	414	205	160
Cenia	1/0	19	0.060	1/0	6/1	4,380	1.03	414	408	205	160
Runcina	2/0	7	0.060	2/0	6/1	5,310	1.11	519	512	235	185
Triton	2/0	19	0.060	2/0	6/1	5,310	1.12	511	505	235	185
Cherrystone	3/0	7	0.060	3/0	6/1	6,620	1.22	656	643	275	215
Mursia	3/0	19	0.060	3/0	6/1	6,620	1.23	633	626	275	215
Razor	4/0	7	0.060	4/0	6/1	8,350	1.34	814	799	315	245
Zuzara	4/0	19	0.060	4/0	6/1	8,350	1.35	785	777	315	245
Limpet	336.4	19	0.080	336.4	18/1	8,680	1.72	1,161	1,147	420	325
						IEUTRAL MES					
Scallop	4	Solid	0.045	6	6/1	1,190	0.62	142	139	115	90
Strombus	4	7	0.045	6	6/1	1,190	0.67	151	148	115	90
Cockle	2	7	0.045	4	6/1	1,860	0.80	228	224	150	120
Janthina	1/0	7	0.060	2	6/1	2,850	1.02	367	360	205	160
Ranella	1/0	19	0.060	2	6/1	2,850	1.03	361	356	205	160
Cavolinia	2/0	7	0.060	1	6/1	3,550	1.11	452	444	235	185
Clio	2/0	19	0.060	1	6/1	3,550	1.12	444	437	235	185
Sanddollar	3/0	7	0.060	1/0	6/1	4,380	1.22	570	557	275	215
Aega	3/0	19	0.060	1/0	6/1	4,380	1.23	565	552	275	215
Cuttlefish	4/0	7	0.060	2/0	6/1	5,310	1.33	706	691	315	245
Cerapus	4/0	19	0.060	2/0	6/1	5,310	1.35	678	670	315	245
Cowry	336.4	19	0.080	4/0	6/1	8,350	1.72	1,135	1,093	420	325

^{**}Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C, emissivity 0.9, 2ft/sec. wind in sun.



Quadruplex Overhead Aluminum Conductor (Service Drop)

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: Concentrically stranded, compressed 1350-H19 aluminum conductor, cross-linked polyethylene (XLP) or polyethylene (PE) insulation, concentrically stranded AAC, ACSR or 6201 alloy bare neutral messenger.

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

OPTIONS: Ridged Phase ID

RUS ACCEPTED

	Pha	ase Conduc	tor	Bare N	leutral Mess	senger	Com	pleted Cable		Ampa	city*
Code Word	Size	N	Insulation	Size		Breaking	Diameter	Weig	jht	XLP	PE
Goud Word	3126	No. of Strands	Thickness	3126	No. of Strands	Strength	Diameter	XLP	Poly	90°C	75°C
	AWG/kcmil		inches	AWG/kcmil		lbs	inches	lbs/kft	lbs/kft	amps	amps
				AAA	C NEUTRAL	MESSENGE	R				
Clydesdale	4	Solid	0.045	4	7	881	0.68	208	201	100	80
Pinto	4	7/w	0.045	4	7	881	0.73	223	207	100	80
Mustang	2	7/w	0.045	2	7	1,350	0.88	333	312	135	105
Criollo	1/0	19/w	0.060	1/0	7	1,990	1.12	529	504	180	140
Percheron	2/0	19/w	0.060	2/0	7	2,510	1.24	649	620	205	160
Hanoverian	3/0	19/w	0.060	3/0	19	3,310	1.36	799	765	235	185
Oldenburg	4/0	19/w	0.060	4/0	19	4,020	1.50	986	946	275	210
Lippizaner	336.4	19/w	0.080	336.4	19	6,146	1.91	1,546	1,519	370	280
				ACS	R NEUTRAL	MESSENGE	R				
Morochuca	6	Solid	0.045	6	6/1	1,190	0.58	152	147	75	60
Chola	6	7/W	0.045	6	6/1	1,190	0.62	162	151	75	60
Morgan	4	Solid	0.045	4	6/1	1,860	0.69	226	220	100	80
Hackney	4	7/W	0.045	4	6/1	1,860	0.74	241	226	100	80
Palomino	2	7/W	0.045	2	6/1	2,850	0.89	362	342	135	105
Costena	1/0	19/W	0.060	1/0	6/1	4,380	1.14	575	550	180	140
Grullo	2/0	19/W	0.060	2/0	6/1	5,310	1.26	707	678	205	160
Suffolk	3/0	19/W	0.060	3/0	6/1	6,620	1.38	872	838	235	180
Appaloosa	4/0	19/W	0.060	4/0	6/1	8,350	1.52	1,079	1,039	275	210
Bronco	336.4	19/W	0.080	336.4	18/1	8,580	1.92	1,613	1,568	370	280
Gelding	336.4	19/W	0.080	4/0	6/1	8,350	1.85	1,548	1,494	370	280
Hurricane	500	37/w	0.080	336.4	26/7	14,100	2.21	2,196	2,186	480	360

All values are nominal and subject to correction

^{*}Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C, emissivity 0.9, 2ft/sec. wind in sun. (Continued on page 16)



Quadruplex Overhead Aluminum Conductor (Service Drop)

	Pha	ase Conduc	tor	Bare N	leutral Mess	senger	Con	pleted Cable		Ampa	city*
Code Word	Size	NI- of	Insulation	Size	No. of	Breaking	Diameter	Weiq	jht	XLP	PE
Coue word	OIZG	No. of Strands	Thickness	OIZG	No. of Strands	Strength	Diameter	XLP	Poly	90°C	75°C
	AWG/kcmil		inches	AWG/kcmil		lbs	inches	lbs/kft	lbs/kft	amps	amps
				6201 ALI	.OY NEUTR	AL MESSENG	ER**				
Bay	6	Solid	0.045	6	7	1,110	0.59	145	140	75	60
French-Coach	6	7/w	0.045	6	7	1,110	0.63	155	144	75	60
German-Coach	4	Solid	0.045	4	7	1,760	0.69	214	208	100	80
Arabian	4	7/w	0.045	4	7	1,760	0.74	229	214	100	80
Belgian	2	7/w	0.045	2	7	2,800	0.89	344	323	135	105
Shetland	1/0	19/w	0.060	1/0	7	4,460	1.14	546	521	180	140
Thoroughbred	2/0	19/w	0.060	2/0	7	5,390	1.26	670	641	205	160
Trotter	3/0	19/w	0.060	3/0	7	6,790	1.38	825	791	135	185
Walking	4/0	19/w	0.060	4/0	7	8,560	1.52	1,019	979	275	210

^{*}Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C, emissivity 0.9, 2ft/sec. wind in sun.

^{**}Designated 6201 neutral sizes are ACSR 6/1 diameter equivalent, phase conductor resistivity equivalent per ASTM B399.



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 **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. insulation, thermosetting semiconducting insulation shield, copper concentric neutral wires, water swellable agents, black encapsulating linear low-density polyethylene (LLDPE) jacket

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 derisity 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 CS8. ASTM: B3, B5, B8, B230, B231, B609 **RUS ACCEPTED**

0 0 0																												
Zero Sequence Impedance Reactance (μΩ/ft)			30	31	59	28	27	56	25	24	23	22	20		30	31	59	28	27	56	25	24	23	21	19	18	16	16
Zero Sequence Impedance Resistance (μΩ/ft)	ied		693	699	518	523	415	420	328	263	207	171	130		857	865	791	798	739	745	627	491	400	339	245	173	116	88
+/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried		59	30	87	27	27	56	52	24	23	22	21		103	102	100	86	86	96	93	88	98	82	9/	<i>L</i> 9	55	47
+/- Sequence Impedance Resistance (μΩ/ft)			693	699	518	523	415	420	328	263	207	171	130		338	344	270	275	216	221	178	145	120	106	84	89	22	49
Ampacity (Amps)			169	170	193	194	219	220	251	284	323	358	420		175	175	199	199	225	225	255	286	320	345	398	451	202	549
Zero Sequence Impedance Reactance (μΩ/ft)			30	31	29	28	27	26	25	24	23	22	20		30	31	29	28	27	26	25	24	23	21	19	18	16	16
Zero Sequence Impedance Resistance (µΩ/ft)			663	699	518	523	415	420	328	263	207	171	130		872	879	805	811	752	758	637	498	405	343	247	174	117	89
+/- Sequence Impedance Reactance (μΩ/ft)	90°C inDuct		59	30	28	27	27	26	25	24	23	22	21		51	51	49	48	47	46	44	43	41	40	38	37	35	33
+/- Sequence Impedance Resistance (μΩ/ft)			693	699	518	523	415	420	328	263	207	171	130		329	335	261	566	207	212	168	133	106	91	99	48	35	28
Ampacity (amps)			123	124	141	143	160	162	186	212	243	270	321		126	126	143	144	163	163	186	212	241	265	319	385	468	529
Minimum Bending Radius (in)			8	8	8	6	6	6	10	10	11	11	12		8	8	8	6	6	6	6	10	10	11	12	13	15	17
Cable Weight (lbs/kft)			456	475	521	545	593	621	748	864	1055	1228	1556		409	429	440	463	476	504	564	646	740	836	1068	1407	1985	2568
Jacket Diameter (in)	(D)		96.0	0.99	0.99	1.03	1.03	1.07	1.14	1.19	1.29	1.35	1.49		96.0	0.99	0.99	1.03	1.03	1.07	1.11	1.16	1.22	1.27	1.39	1.56	1.81	2.03
Insulation Shield Diameter (in)	(C)		0.72	0.75	0.75	0.79	62.0	0.83	0.87	0.92	96.0	1.03	1.16		0.72	0.75	0.75	0.79	62.0	0.83	0.87	0.92	96.0	1.03	1.16	1.29	1.47	1.65
Insulation Diameter (in)	(B)		0.65	89'0	69'0	0.72	0.72	92.0	08'0	98'0	0.91	26.0	1.07	UTRAL	59'0	89.0	69'0	0.72	0.72	92.0	08.0	0.85	16.0	26.0	1.07	1.20	1.39	1.54
Conductor Diameter (in)	(A)	ULL NEUTRA	0.258	0.284	0.289	0.324	0.325	0.364	0.408	0.458	0.515	0.561	0.664	NE-THIRD NE	0.258	0.284	0.289	0.324	0.325	0.364	0.408	0.458	0.515	0.561	0.664	0.794	0.974	1.124
Concentric Neutral		LE PHASE- F	10-#14	10-#14	13-#14	13-#14	16-#14	16-#14	13-#12	16-#12	13-#10	16-#10	16-#3	EE PHASE - 0	9-#14	6-#14	6-#14	6-#14	6-#14	6-#14	7-#14	9-#14	11-#14	13-#14	18-#14	16-#12	24-#12	20-#10
Insulation Thickness (mils)		MINUM SING	175	175	175	175	175	175	175	175	175	175	175	MINUM THR	175	175	175	175	175	175	175	175	175	175	175	175	175	175
Conductor		15KV 100% ALUMINUM SINGLE PHASE- FULL NEUTRAL	2 SOLID AL	2 AWG AL	1 SOLID AL	1 AWG AL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL	15KV 100% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL	2 SOLID AL	2 AWG AL	1 SOLID AL	1 AWG AL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL	500 MCM AL	750 MCM AL	1000 MCM AL

									_																							_										
Zero Sequence Impedance Reactance (μΩ/ft)		ı	30	31	59	28	27	56	25	24	23	22	20		30	31	59	28	27	56	25	24	23	21	19	18	16	16		33	32	31	30	59	28	27	25	23		33	32	31
Zero Sequence Impedance Resistance (μΩ/ft)	pe	ı	663	699	518	523	415	420	328	263	207	171	130		857	865	791	798	739	745	627	491	400	339	245	173	116	88		518	523	415	420	328	263	207	171	130		982	792	734
+/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried	ı	59	30	28	27	27	26	25	24	23	22	21		103	102	100	86	86	96	63	89	86	82	92	29	55	47		33	31	31	30	59	28	56	25	23		101	66	86
+/- Sequence Impedance Resistance (μΩ/ft))6	ı	693	699	518	523	415	420	328	263	207	171	130		338	344	270	275	216	221	178	145	120	106	84	89	22	49		518	523	415	420	328	263	207	171	130		569	274	215
Ampacity (Amps)		ı	169	170	193	194	219	220	251	284	323	358	420		175	175	199	199	225	225	255	286	320	345	398	451	202	549		192	194	218	219	250	283	322	356	416		196	196	222
Zero Sequence Impedance Reactance (μΩ/ft)			30	31	59	28	27	56	25	24	23	22	20		30	31	59	28	27	26	25	24	23	21	19	18	16	16		33	32	31	30	59	28	27	25	23		33	32	31
Zero Sequence Impedance Resistance (μΩ/ft)	4		663	699	518	523	415	420	328	263	207	171	130		872	879	805	811	752	758	637	498	405	343	247	174	117	89		518	523	415	420	328	263	207	171	130		801	807	748
+/- Sequence Impedance Reactance (µΩ/ft)	1		59	30	28	27	27	56	25	24	23	22	21		51	51	49	48	47	46	44	43	41	40	38	37	35	33		33	31	31	30	59	28	56	22	23		53	52	51
+/- Sequence Impedance Resistance (μΩ/ft)			663	699	518	523	415	420	328	263	207	171	130		329	335	261	566	207	212	168	133	106	91	99	48	35	28		518	523	415	420	328	263	207	171	130		261	266	207
Ampacity (amps)			123	124	141	143	160	162	186	212	243	270	321		126	126	143	144	163	163	186	212	241	265	319	385	468	529		145	146	165	166	190	217	248	276	326		146	146	166
Minimum Bending Radius (in)			6	6	6	6	6	10	10	11	12	12	13		6	6	6	6	6	10	10	11	11	12	12	14	16	17		10	10	10	10	#	12	12	13	14		10	10	10
Cable Weight (lbs/kft)			514	535	581	209	655	685	817	935	1132	1330	1645		467	488	499	525	538	568	630	715	813	932	1150	1563	2091	2687		638	999	714	746	882	1023	1227	1406	1792		256	584	297
Jacket Diameter (in)	(D)		1.05	1.08	1.08	1.12	1.12	1.16	1.23	1.28	1.38	1.46	1.58		1.05	1.08	1.08	1.12	1.12	1.16	1.20	1.25	1.31	1.38	1.48	1.71	1.90	2.12		1.16	1.20	1.20	1.24	1.31	1.38	1.48	1.54	1.72		1.16	1.20	1.20
Insulation Shield Diameter (in)	(C)		0.81	0.84	0.84	0.88	0.88	0.92	96.0	1.01	1.07	1.14	1.25		0.81	0.84	0.84	0.88	0.88	0.92	96'0	1.01	1.07	1.14	1.25	1.38	1.56	1.74		0.92	96'0	96.0	1.00	1.04	1.11	1.17	1.22	1.33		0.92	96.0	96.0
Insulation Diameter (in)	(B)	н.	0.74	0.77	0.78	0.81	0.81	0.85	0.89	0.94	1.00	1.06	1.16	TRAL	0.74	0.77	0.78	0.81	0.81	0.85	0.89	0.94	1.00	1.06	1.16	1.29	1.48	1.63		98.0	0.89	0.89	0.93	26.0	1.02	1.08	1.14	1.24	TRAL	98.0	0.89	0.89
Conductor Diameter (in)	(A)	-ULL NEUTRA	0.258	0.284	0.289	0.324	0.325	0.364	0.408	0.458	0.515	0.561	0.664	JE-THIRD NEU	0.258	0.284	0.289	0.324	0.325	0.364	0.408	0.458	0.515	0.561	0.664	0.794	0.974	1.124	ULL NEUTRAL	0.289	0.324	0.325	0.364	0.408	0.458	0.515	0.561	0.664	IE-THIRD NEU	0.289	0.324	0.325
Concentric Neutral		SLE PHASE - F	10-#14	10-#14	13-#14	13-#14	16-#14	16-#14	13-#12	16-#12	13-#10	16-#10	16-#9	EE PHASE - OI	6-#14	6-#14	6-#14	6-#14	6-#14	6-#14	7-#14	9-#14	11-#14	13-#14	18-#14	16-#12	24-#12	20-#10	LE PHASE - F	13-#14	13-#14	16-#14	16-#14	13-#12	16-#12	13-#10	16-#10	16-#9	E PHASE - OF	6-#14	6-#14	6-#14
Insulation Thickness (mils)		MINUM SING	220	220	220	220	220	220	220	220	220	220	220	MINUM THRE	220	220	220	220	220	220	220	220	220	220	220	220	220	220	MINUM SING	260	260	260	260	260	260	260	260	260	MINUM THRE	260	260	260
Conductor		15 KV 133% ALUMINUM SINGLE PHASE - FULL NEUTRAL	2 SOLID AL	2 AWG AL	1 SOLID AL	1 AWG AL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250MCMAL	350 MCM AL	15KV 133% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL	2 SOLID AL	2 AWG AL	1 SOLID AL	1 AWG AL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL	500 MCM AL	750 MCM AL	1000 MCM AL	25KV 100% ALUMINUM SINGLE PHASE - FULL NEUTRAL	1 SOLID AL	1 AWG AL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL	25KV 100% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL	1 SOLID AL	1 AWG AL	1/0 SOLID AL

Zero Sequence Impedance Reactance (μΩ/ft)			30	29	27	26	25	23	21	19	18		33	32	31	30	59	28	27	25	23		33	32	31	30	59	27	56	25	23	21	19	18		35	34	33	31	30	28	26
Zero Sequence S Impedance In Resistance R			740	622	487	397	337	244	172	116	88		518	523	415	420	328	263	207	171	130		982	792	734	740	622	487	397	337	244	172	116	88		415	420	328	263	207	171	130
+/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried		96	93	06	98	83	92	89	22	49		33	31	31	30	59	28	56	25	23		101	66	86	96	93	06	98	83	92	89	22	49		35	34	32	31	30	28	56
+/- Sequence Impedance Resistance (μΩ/ft)	06		220	177	144	119	104	82	29	22	48		518	523	415	420	328	263	207	171	130		569	274	215	220	177	144	119	104	82	29	22	48		415	420	328	263	207	171	130
Ampacity (Amps)			222	251	283	317	343	397	451	513	555		192	194	218	219	250	283	322	356	416		196	196	222	222	251	283	317	343	397	451	513	555		217	218	249	283	321	353	416
Zero Sequence Impedance Reactance (μΩ/ft)			30	59	27	56	25	23	21	19	18		33	32	31	30	59	28	27	25	23		33	32	31	30	29	27	26	25	23	21	19	18		35	34	33	31	30	28	56
Zero Sequence Impedance Resistance (μΩ/tt)			754	634	495	403	341	246	173	116	88		518	523	415	420	328	263	207	171	130		801	807	748	754	634	495	403	341	246	173	116	88		415	420	328	263	207	171	130
+/- Sequence Impedance Reactance (μΩ/ft)	90°C inDuct		20	48	46	45	43	41	40	37	35		33	31	31	30	59	28	56	25	23		53	52	51	20	48	46	45	43	41	40	37	35		35	34	32	31	30	28	56
+/- Sequence Impedance Resistance (μΩ/ft)			212	168	133	106	06	99	48	34	28		518	523	415	420	328	263	207	171	130		261	566	207	212	168	133	106	90	99	48	34	28		415	420	328	263	207	171	130
Ampacity (amps)		ı	166	189	216	245	569	322	389	473	533		145	146	165	166	190	217	248	276	326		146	146	166	166	189	216	245	269	322	389	473	533		168	169	194	220	252	280	331
Minimum Bending Radius (in)			10	11	11	12	12	13	15	17	18		11	11	11	12	12	13	13	14	15		11	11	11	12	12	12	13	13	14	16	18	19		12	12	13	13	14	15	16
Cable Weight (lbs/kft)			629	694	801	305	1004	1228	1652	2234	2797		735	292	813	698	1012	1137	1349	1597	1934		653	683	969	752	821	912	1018	1125	1422	1797	2398	2975		877	914	1059	1186	1465	1653	1993
Jacket Diameter (in)	(D)		1.24	1.28	1.35	1.41	1.46	1.56	1.79	2.01	2.20		1.29	1.32	1.32	1.38	1.46	1.51	1.61	1.72	1.85		1.29	1.32	1.32	1.38	1.42	1.47	1.53	1.59	1.75	1.91	2.13	2:32		1.39	1.43	1.51	1.56	1.72	1.77	1.90
Insulation Shield Diameter (in)	(C)	(INUED)	1.00	1.04	1.11	1.17	1.22	1.33	1.46	1.67	1.82		1.05	1.08	1.08	1.14	1.19	1.24	1.29	1.35	1.45		1.05	1.08	1.08	1.14	1.19	1.24	1.29	1.35	1.45	1.58	1.80	1.95		1.15	1.19	1.24	1.29	1.34	1.40	1.50
Insulation Diameter (in)	(B)	JTRAL (CON	0.93	0.97	1.02	1.08	1.14	1.24	1.37	1.56	1.71		0.98	1.01	1.02	1.05	1.10	1.15	1.21	1.26	1.36	JTRAL	0.98	1.01	1.02	1.05	1.10	1.15	1.21	1.26	1.36	1.49	1.68	1.83		1.07	1.10	1.15	1.20	1.26	1.31	1.41
Conductor Diameter (in)	(A)	NE-THIRD NE	0.364	0.408	0.458	0.515	0.561	0.664	0.794	0.974	1.124	ULL NEUTRA	0.289	0.324	0.325	0.364	0.408	0.458	0.515	0.561	0.664	NE-THIRD NE	0.289	0.324	0.325	0.364	0.408	0.458	0.515	0.561	0.664	0.794	0.974	1.124	-ULL NEUTRA	0.325	0.364	0.408	0.458	0.515	0.561	0.664
Concentric Neutral		EE PHASE - 0	6-#14	7-#14	9-#14	11-#14	13-#14	18-#14	16-#12	24-#12	20-#10	LE PHASE - F	13-#14	13-#14	16-#14	16-#14	13-#12	16-#12	13-#10	16-#10	16-#9	EE PHASE - 0	6-#14	6-#14	6-#14	6-#14	7-#14	9-#14	11-#14	13-#14	18-#14	16-#12	24-#12	20-#10	SLE PHASE - F	16-#14	16-#14	13-#12	16-#12	13-#10	16-#10	16-#9
Insulation Thickness (mils)		MINUM THR	260	260	260	260	260	260	260	260	260	MINUM SING	320	320	320	320	320	320	320	320	320	MINUM THR	320	320	320	320	320	320	320	320	320	320	320	320	MINUM SING	345	345	345	345	345	345	345
Conductor		25KV 100% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL (CONTINUED)	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL	500 MCM AL	750 MCM AL	1000 MCM AL	25KV 133% ALUMINUM SINGLE PHASE - FULL NEUTRAL	1 SOLID AL	1 AWG AL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL	25KV 133% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL	1 SOLID AL	1 AWG AL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL	500 MCM AL	750 MCM AL	1000 MCM AL	35KV 100% ALUMINUM SINGLE PHASE - FULL NEUTRAL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL

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Zero Sequence Impedance Reactance (μΩ/ft)		35	34	32	31	59	28	25	24	21	20		32	34	33	31	30	28	56		32	34	35	31	29	28	25	24	21	20	
Zero Sequence Impedance Resistance (μΩ/ft)	pe	720	736	618	485	395	335	243	171	115	88		415	420	328	263	202	171	130		729	982	618	485	395	335	243	171	115	88	
+/- Sequence Impedance Reactance (μΩ/ft)	90°C Direct Buried	80	96	93	06	98	83	77	69	59	51		35	34	32	31	30	28	26		86	96	93	06	98	83	2.2	69	59	51	
+/- Sequence Impedance Resistance (μΩ/ft)	6	214	219	176	143	117	103	81	92	54	47		415	420	328	263	207	171	130		214	219	176	143	117	103	81	65	54	47	
Ampacity (Amps)		210	219	248	280	314	339	394	452	517	260		217	218	249	283	321	353	416		219	219	248	280	314	339	394	452	517	260	
Zero Sequence Impedance Reactance (μΩ/ft)		35	34	32	31	59	28	25	24	21	20		35	34	33	31	30	28	56		35	34	32	31	59	28	25	24	21	20	
Zero Sequence Impedance Resistance (μΩ/ft)		745	751	631	493	401	340	245	173	116	88		415	420	328	263	207	171	130		745	751	631	493	401	340	245	173	116	88	
+/- Sequence Impedance Reactance (μΩ/ft)	90°C inDuct	5.4	53	51	49	47	47	44	42	39	37		35	34	32	31	30	28	26		54	53	51	49	47	47	44	42	39	37	
+/- Sequence Impedance Resistance (μΩ/ft)		202	212	168	133	106	06	99	48	34	28		415	420	328	263	207	171	130		207	212	168	133	106	06	99	48	34	28	
Ampacity (amps)		168	168	191	218	247	271	325	392	476	536		168	169	194	220	252	280	331		168	168	191	218	247	271	325	392	476	536	
Minimum Bending Radius (in)		19	12	12	13	13	14	15	16	18	19		13	13	14	15	15	16	17		13	13	14	14	15	15	16	18	19	21	
Cable Weight (lbs/kft)		760	797	867	096	1068	1239	1478	1904	2466	3050		1021	1062	1279	1412	1641	1834	2234		904	945	1019	1182	1297	1412	1706	2107	2687	3290	
Jacket Diameter (in)	(D)	1 30	1.43	1.47	1.52	1.58	1.70	1.80	1.99	2.18	2.37		1.55	1.58	1.72	1.77	1.87	1.93	2.08		1.55	1.58	1.63	1.74	1.80	1.85	1.98	2.15	2.33	2.53	
Insulation Shield Diameter (in)	(C)	7	1.19	1.24	1.29	1.34	1.40	1.50	1.66	1.85	2.00		1.31	1.35	1.39	1.44	1.50	1.55	1.68		1.31	1.35	1.39	1.44	1.50	1.55	1.68	1.81	2.00	2.15	
Insulation Diameter (in)	(B)	UTRAL 1 07	1.10	1.15	1.20	1.26	1.31	1.41	1.54	1.73	1.88	ı,	1.22	1.26	1.30	1.35	1.41	1.46	1.57	UTRAL	1.22	1.26	1.30	1.35	1.41	1.46	1.57	1.70	1.88	2.03	tion
Conductor Diameter (in)	(A)	NETHIRD NE	0.364	0.408	0.458	0.515	0.561	0.664	0.794	0.974	1.124	FULL NEUTRA	0.325	0.364	0.408	0.458	0.515	0.561	0.664	NE THIRD NE	0.325	0.364	0.408	0.458	0.515	0.561	0.664	0.794	0.974	1.124	t to correc
Concentric Neutral			6-#14	7-#14	9-#14	11-#14	13-#14	18-#14	16-#12	24-#12	20-#10	SLE PHASE -	16-#14	16-#14	13-#12	16-#12	13-#10	16-#10	16-#9	EE PHASE - 0	6-#14	6-#14	7-#14	9-#14	11-#14	13-#14	18-#14	16-#12	24-#12	20-#10	and subjec
Insulation Thickness (mils)		MINUM THR 345	345	345	345	345	345	345	345	345	345	MINUM SING	420	420	420	420	420	420	420	MINUM THR	420	420	420	420	420	420	420	420	420	420	nominal a
Conductor		35KV 100% ALUMINUM THREE PHASE - ONE-THIRD NEUTRAL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350MCMAL	500 MCM AL	750 MCM AL	1000 MCM AL	35KV 133% ALUMINUM SINGLE PHASE - FULL NEUTRAL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL	35KV 133% ALUMINUM THREE PHASE - ONE THIRD NEUTRAL	1/0 SOLID AL	1/0 AWG AL	2/0 AWG AL	3/0 AWG AL	4/0 AWG AL	250 MCM AL	350 MCM AL	500 MCM AL	750 MCM AL	1000 MCM AL	All values are nominal and subject to correction

Single Phase Operation (Full Neutral Design)

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

Three Phase Operation (1/3 Neutral Design)

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



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 series aluminum conductor, cross-linked polyethylene insulation.

SPECIFICATIONS: ASTM B-230, B-231, B-609, ICEA S-105-692, Federal Specification A-A-595544, UL 854.

OPTIONS: Cable in Duct (CIC) • Ruggedized • Ridged Phase ID

RUS ACCEPTED

	Conductor	Insulation	Diameter	Mainb	Ampa	city**
Code Word	Size	Thickness	Diameter	Weight	Direct Burial	In Duct
	AWG/kcmil	inches	inches	lbs/kft	amps	amps
Princeton	6*	0.060	0.31	44	90	65
Mercer	4*	0.060	0.36	63	120	85
Clemson	2	0.060	0.42	92	155	115
Kenyon	1	0.080	0.50	121	175	130
Harvard	1/0	0.080	0.54	146	200	150
Yale	2/0	0.080	0.59	177	225	170
Tufts	3/0	0.080	0.64	215	250	195
Beloit	4/0	0.080	0.70	263	290	225
Hofstra	250	0.095	0.77	314	320	250
Gonzaga	300	0.095	0.83	367	355	280
Rutgers	350	0.095	0.88	420	385	305
Dartmouth	400	0.095	0.92	476	415	330
Emory	500	0.095	1.01	577	465	370
Duke	600	0.110	1.12	697	510	410
Furman	700	0.110	1.20	804	550	440
Sewanee	750	0.110	1.23	853	580	470
Fordham	1000	0.110	1.38	1108	670	545

All values are nominal and subject to correction

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 series aluminum conductor, cross linked polyethylene (XLP) insulation. Insulated conductors surface printed, neutral, yellow striped. One phase and one neutral conductor twisted together.

SPECIFICATIONS: ASTM B-230, B-231, B-609, B-901 and ICEA S-105-692. Federal specification A-A-595544A NEC. UL 854.

OPTIONS: Cable in Duct (CIC) • Ruggedized • Ridged Phase ID

RUS ACCEPTED

	Phase Conductor			Neutral			Diame	ter		Ampa	city**
Code Word	Size	No. of	Insulation Thickness	Size	No. of	Insulation Thickness	Single Phase Conductor	Complete Cable	Weight	Direct Burial	In Duct
	AWG	Strands	inches	AWG Strands		inches	inches	inches	lbs/kft	amps	amps
Bard	8*	7	0.060	8	7	0.060	0.26	0.52	69	70	55
Claflin	6*	7	0.060	6	7	0.060	0.30	0.60	95	95	70
Delgado	4*	7	0.060	4	7	0.060	0.35	0.69	135	125	90
Everett	2	7	0.060	2	7	0.060	0.40	0.80	189	165	120

All values are nominal and subject to correction

For NEC installations reference NEC article 310.15.

1-833-895-9473

^{*}Not RUS accepted size

^{**}Ratings for 3/C, 90°C conductor temperature, 20°C ambient earth temperature, RHO 90, 100% load factor. For NEC installations reference NEC article 310.15.

^{*}Not RUS accepted size, **Ampacity 90°C conductor temperatures, 20°C ambient earth temperature. RHO 90.100% load factor.



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: Compact bare AA-8000 series aluminum alloy conductors, Class B stranded per ASTM, cross-linked polyethylene (XLP)

insulation. Insulated conductors surface printed, neutral, yellow striped. Two phase and one neutral conductor twisted together.

SPECIFICATIONS: ASTM B-230, B-231, B-609, B-901, ICEA S-105-692, Federal Specification A-A-595544. UL 854.

OPTIONS: Cable in Duct (CIC) • Ruggedized • Ridged Phase ID

RUS ACCEPTED

	Pha	ise Conduc	tor		Neutral		Diame	eter		Ampac	ity**
Code Word	Size	No. of Strands	Insulation Thickness	Size	No. of Strands	Insulation Thickness	Single Phase Conductor	Complete Cable	Weight	Direct Burial	In Duct
	AWG/kcmil	otranius	inches	AWG/kcmil	AWG/kcmil Strands	inches	inches	inches	lbs/kft	amps	amps
Erskine	6*	7	0.060	6	7	0.060	0.30	0.64	143	95	70
Vassar	4*	7	0.060	4	7	0.060	0.35	0.75	202	125	90
Stephens	2	7	0.060	4	7	0.060	0.40	0.87	262	165	120
Ramapo	2	7	0.060	2	7	0.060	0.40	0.87	292	165	120
Brenau	1/0	19	0.080	2	7	0.060	0.51	1.11	406	215	160
Bergen	1/0	19	0.080	1/0	19	0.080	0.51	1.11	463	215	160
Converse	2/0	19	0.080	1	19	0.080	0.56	1.20	501	245	180
Hunter	2/0	19	0.080	2/0	19	0.080	0.56	1.20	559	245	180
Hollins	3/0	19	0.080	1/0	19	0.080	0.60	1.30	606	280	205
Rockland	3/0	19	0.080	3/0	19	0.080	0.60	1.30	677	280	205
Sweetbriar	4/0	19	0.080	2/0	19	0.080	0.66	1.42	737	315	240
Monmouth	4/0	19	0.080	4/0	19	0.080	0.66	1.42	826	315	240
Pratt	250	37	0.095	3/0	19	0.095	0.75	1.62	888	345	265
Wesleyan	350	37	0.095	4/0	19	0.095	0.85	1.84	1,157	415	320
Holyoke	500	37	0.095	300	37	0.095	0.98	2.12	1,591	495	395
Rider	500	37	0.095	350	37	0.095	0.98	2.12	1,646	495	395
Fairfield	750	61	0.110	500	37	0.095	1.19	2.40	2,289	620	495

^{*}Not RUS accepted size

^{*}Ampacity: 90°C conductor temperature, 20°C ambient earth temperature, RHO 90, 100% load factor. Neutral carries unbalanced load only. For NEC installations reference NEC article 310.15.



Quadruplex Conductor 600 Volt URD Secondary Type UD Cable - Aluminum Conductor

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

CONSTRUCTION: Concentric stranded or compressed 1350 series aluminum conductors, cross-linked polyethylene (XLP) insulation.

Insulated conductors surface printed, neutral, yellow striped. Three phase and one neutral conductor twisted together.

SPECIFICATIONS: ASTM B-230, B-231, B-609, B-901, ICEA S-105-692, Federal Specification A-A-59544 and NEC. UL 854.

OPTIONS: Cable in Duct (CIC) • Ruggedized • Ridged Phase ID

RUS ACCEPTED

	Pha	ase Conduc	tor		Neutral		Diame	eter		Ampa	city**
Code Word	Size	No. of	Insulation Thickness	Size	No. of	Insulation Thickness	Single Phase Conductor	Complete Cable	Weight	Direct Burial	In Duct
	AWG/kcmil	Strands	inches	AWG/kcmil	NG/kcmil Strands	inches	inches	inches	lbs/kft	amps	amps
Tulsa	4*	7	0.060	4	7	0.060	0.35	0.83	269	120	85
Dyke	2	7	0.060	4	7	0.060	0.40	0.97	359	155	115
Wittenberg	2	7	0.060	2	7	0.060	0.40	0.97	389	155	115
Notre Dame	1/0	19	0.080	2	7	0.060	0.51	1.24	560	200	150
Purdue	1/0	19	0.080	1/0	19	0.080	0.51	1.24	617	200	150
Syracuse	2/0	19	0.080	1	19	0.080	0.56	1.34	687	225	170
Lafayette	2/0	19	0.080	2/0	19	0.080	0.56	1.34	745	225	170
Swarthmore	3/0	19	0.080	1/0	19	0.080	0.60	1.46	832	250	195
Davidson	3/0	19	0.080	3/0	19	0.080	0.60	1.46	903	250	195
Wake Forest	4/0	19	0.080	2/0	19	0.080	0.66	1.59	1,012	290	225
Earlham	4/0	19	0.080	4/0	19	0.080	0.66	1.59	1,101	290	225
Rust	250	37	0.095	3/0	19	0.080	0.75	1.81	1,215	320	250
Slippery Rock	350	37	0.095	4/0	19	0.080	0.85	2.05	1,598	385	305
Niagara	350	37	0.095	350	37	0.095	0.85	2.08	1,695	385	305
Wofford	500	37	0.095	350	37	0.095	0.98	2.35	2,174	465	370
Windham	750	61	0.110	500	37	0.095	1.19	2.78	3,305	580	460

All values are nominal and subject to correction

For NEC installations reference NEC article 310.15.

^{*}Not RUS accepted size

^{**}Ampacity: 90°C conductor temperature, 20°C ambient earth temperature, RHO 90, 100% load factor for three current carrying conductors with neutral carrying only unbalanced load.



Triplex Conductor 600 Volt 8000 Series URD Secondary Type UD Cable RHH or RHW-2 or USE-2 600V-Aluminum Conductor

APPLICATION: Secondary distribution and underground service at 600 volts or less and in temperatures not to exceed 90°C in wet and dry locations, either direct burial or in ducts, where increased flexibility is needed.

CONSTRUCTION: Compressed stranded AA-8000 series Aluminum Alloy or concentric stranded conductors insulated with cross-linked polyethylene (XLP). 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 standards/specifications: ASTM B800 8000 Series Aluminum Alloy Wire for Electrical Purposes • ASTM B801 Compressed Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulations • ASTM B901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction • ICEA S-105-682 for cross-linked polyethylene insulated conductors, UL 44 for type RHW-2, and UL 854 for Type USE-2.

OPTIONS: Cable in Duct (CIC) • Ruggedized • Ridged Phase ID

		Phase Conductor			Neutral		Diame	eter		Ampa	city*
Code Word	Size No. of	No. of	Insulation Thickness	Size	No. of Strands	Insulation Thickness	Single Phase Conductor	Complete Cable	Weight	Direct Burial	In Duct
	AWG/kcmil	Strailus	inches	AWG	Strailus	inches	inches	inches	lbs/kft	amps	amps
Vassar/8k	4	7	0.060	4	7	0.060	0.35	0.75	202	125	85
Stephens/8k	2	7	0.060	4	7	0.060	0.40	0.87	262	165	120
Ramapo/8k	2	7	0.060	2	7	0.060	0.40	0.87	292	165	120
Brenau/8k	1/0	19	0.080	2	7	0.060	0.51	1.11	406	215	160
Converse/8k	2/0	19	0.080	1	19	0.080	0.56	1.20	501	245	180
Sweetbriar/8k	4/0	19	0.080	2/0	19	0.080	0.66	1.42	737	315	240
Monmouth/8k	4/0	19	0.080	4/0	19	0.080	0.66	1.42	826	315	240
Pratt/8k	250	37	0.095	3/0	19	0.080	0.75	1.62	888	345	265
Wesleyan/8k	350	37	0.095	4/0	19	0.080	0.85	1.84	1,157	415	320

^{*}Ampacity: 90°C conductor temperature, 20°C ambient earth temperature, RHO 90, 100% load factor. Neutral carries unbalanced load only. For NEC installations reference NEC article 310.15.



General Purpose Control Cable (20/10)

APPLICATION: General Purpose Control Cable which is used in industrial and utility applications, for distribution or control circuits and for the interconnection of operation of protective devices. It can be installed in open air, in ducts or conduit, in trays or troughs, and direct burial for circuits up to 600 volts and temperatures up to 75°C.

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. Optional 30/15 construction is available upon request.

SPECIFICATIONS: • Rated 600 Volts at 75°C. • ICEA S-73-532/NEMA WC57 • ASTM B3, B8 • Sunlight resistant

No. of Conductors	Overall Jacket Thickness	Overall Diameter	Approx. Weight
	inches	inches	lbs/kft
	#14 AWG -	- 7 Strand	
1	(1)	0.17	20
2 Flat	0.045	0.23 x 0.37	65
3	0.045	0.39	90
4	0.045	0.43	110
5	0.045	0.47	135
6	0.045	0.51	155
7	0.045	0.51	170
8	0.060	0.59	215
9	0.060	0.62	245
10	0.060	0.68	260
11	0.060	0.68	280
12	0.060	0.70	295
13	0.060	0.71	320
14	0.060	0.73	335
15	0.060	0.77	370
16	0.060	0.77	380
17	0.060	0.81	405
18	0.060	0.81	420
19	0.060	0.81	435
20	0.080	0.90	490
23	0.080	0.94	575
25	0.080	0.99	605
27	0.080	1.01	665
29	0.080	1.02	705
31	0.080	1.07	750
32	0.080	1.09	775
37	0.080	1.13	840

No. of Conductors	Overall Jacket Thickness	Overall Diameter	Approx. Weight	
	inches	inches	lbs/kft	
	#12 AWG - 1	7 Strand		
1	(1)	0.19	30	
2 Flat	0.045	0.36	89	
3	0.045	0.43	120	
4	0.045	0.48	150	
5	0.045	0.52	180	
6	0.060	0.60	220	
7	0.060	0.60	250	
8	0.060	0.65	290	
9	0.060	0.69	330	
10	0.060	0.75	360	
11	0.060	0.75	385	
12	0.060	0.78	405	
13	0.060	0.79	445	
14	0.060	0.82	470	
15	0.060	0.90	550	
16	0.080	0.90	560	
17	0.080	0.95	610	
18	0.080	0.95	625	
19	0.080	0.95	640	
20	0.080	1.00	685	
23	0.080	1.04	775	
25	0.080	1.11	840	
27	0.080	1.13	900	
29	0.080	1.14	950	
31	0.080	1.19	1015	
32	0.080	1.21	1055	
37	0.080	1.26	1210	

No. of Conductors	Overall Jacket Thickness	Overall Diameter	Approx. Weight
	inches	inches	lbs/kft
	#10 AWG -	· 7 Strand	
1	(1)	0.21	45
2 Flat	0.045	0.28 x 0.46	115
3	0.045	0.49	165
4	0.045	0.57	230
5	0.060	0.62	280
6	0.060	0.67	320
7	0.060	0.67	355
8	0.060	0.73	415
9	0.060	0.79	475
10	0.080	0.89	535
11	0.080	0.89	580
12	0.080	0.92	615
13	0.080	0.94	670
14	0.080	0.97	710
15	0.080	1.02	760
16	0.080	1.02	800
17	0.080	1.07	870
18	0.080	1.07	895
19	0.080	1.07	920
20	0.080	1.13	980
23	0.080	1.18	1125
25	0.080	1.26	1250
27	0.080	1.28	1330
29	0.080	1.30	1370
31	0.080	1.36	1510
32	0.080	1.38	1565
37	0.080	1.44	1755

All values are nominal and subject to correction

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 ICEA S-73-532, Method 1, Table E-1 $\,$



Tinned Copper XLP/CPE Multi Conductor Control Cable 600V (Industrial Tray Cable)

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 cable trays, supported by messenger in open air, raceways, channels, conduits and ducts. The cable is also UL approved for wet or dry loacations as well as Class 1 Division II industrial hazardous locations per NEC.

CONDUCTOR: Fully annealed tinned copper Class B compressed strand per ASTM B33 and ASTM B8.

INSULATION: Flame retardant Cross-linked Polyethylene (FR-XLPE).

ASSEMBLY: Conductors are cabled together with or without fillers as required to form a round, compact cable core with a binder tape.

COLOR CODE: ICEA S-58-679 Method 1, Table E-2

JACKET: Flame and sunlight resistant black thermoplastic Cross-linked Chlorinated Polyethylene (XL-CPE).

OPTIONS: Class K standing per ASTM B174. Class H standing per ASTM B173. Bare copper conductors. Copper tape sheilded. ICEA Method 1. Table E-1 color code.

FEATURES AND BENEFITS: Temperature rating of 90°C (wet or dry). Insulation provides excellent electrical, thermal, and physical properties, excellent flame resistance that allows the jacket to burn to an ash and does not exhibit the thermoplastic drip characteristic, resistance to crush, compression, cuts and heat deformation. Also conductor insulation provides good low temperature (-25°C) cold bend characteristics

Conductor Size	No. of Conductors	No. of Strands	Insulation	Thickness	Jacket Thickness		Overall Diameter	Weight
AWG	Conductors	otranus	inches	mm	inches	mm	inches	lbs/kft
14	2	7	0.030	0.76	0.045	1.14	0.36	71
14	3	7	0.030	0.76	0.045	1.14	0.38	93
14	4	7	0.030	0.76	0.045	1.14	0.41	116
14	5	7	0.030	0.76	0.045	1.14	0.45	140
14	7	7	0.030	0.76	0.045	1.14	0.49	187
14	9	7	0.030	0.76	0.060	1.52	0.60	255
14	12	7	0.030	0.76	0.060	1.52	0.68	328
14	19	7	0.030	0.76	0.080	2.03	0.79	487
14	25	7	0.030	0.76	0.080	2.03	0.93	663
14	30	7	0.030	0.76	0.080	2.03	1.00	780
14	37	7	0.030	0.76	0.080	2.03	1.10	940
12	2	7	0.030	0.76	0.045	1.14	0.39	100
12	3	7	0.030	0.76	0.045	1.14	0.42	130
12	4	7	0.030	0.76	0.045	1.14	0.45	163
12	5	7	0.030	0.76	0.045	1.14	0.50	194
12	7	7	0.030	0.76	0.060	1.52	0.58	274
12	9	7	0.030	0.76	0.060	1.52	0.67	359
12	12	7	0.030	0.76	0.060	1.52	0.75	445
12	15	7	0.030	0.76	0.080	2.03	0.87	603
12	19	7	0.030	0.76	0.080	2.03	0.92	709
12	25	7	0.030	0.76	0.080	2.03	1.03	907
12	30	7	0.030	0.76	0.080	2.03	1.13	1074
12	37	7	0.030	0.76	0.080	2.03	1.24	1288

All values are nominal and subject to correction

(Continued on page 27)



Tinned Copper XLP/CPE Multi Conductor Control Cable 600V (Industrial Tray Cable)

Conductor Size	No. of	No. of	Insulation	Thickness	Jacket Th	nickness	Overall Diameter	Weight
AWG	Conductors	Strands	inches	mm	inches	mm	inches	lbs/kft
10	2	7	0.030	0.76	0.045	1.14	0.44	133
10	3	7	0.030	0.76	0.045	1.14	0.47	185
10	4	7	0.030	0.76	0.060	1.52	0.55	252
10	5	7	0.030	0.76	0.060	1.52	0.60	299
10	7	7	0.030	0.76	0.060	1.52	0.65	395
10	9	7	0.030	0.76	0.060	1.52	0.76	510
10	12	7	0.030	0.76	0.080	2.03	0.89	687
10	15	7	0.030	0.76	0.080	2.03	0.96	735
10	19	7	0.030	0.76	0.080	2.03	1.04	1032
10	25	7	0.030	0.76	0.080	2.03	1.19	1170
10	37	7	0.030	0.76	0.080	2.03	1.41	1680
12	2	12	0.030	0.76	0.045	1.14	0.41	105
12	3	12	0.030	0.76	0.045	1.14	0.43	140
12	4	12	0.030	0.76	0.045	1.14	0.47	170
10	2	10	0.030	0.76	0.045	1.14	0.47	183
10	3	10	0.030	0.76	0.060	1.52	0.54	246
10	4	10	0.030	0.76	0.060	1.52	0.60	302
8	2	10	0.045	1.14	0.060	1.52	0.65	362
8	3	10	0.045	1.14	0.060	1.52	0.66	373
8	4	10	0.045	1.14	0.060	1.52	0.74	415
6	2	8	0.045	1.14	0.060	1.52	0.69	393
6	3	8	0.045	1.14	0.060	1.52	0.76	531
6	4	8	0.045	1.14	0.060	1.52	0.84	650
4	2	8	0.045	1.14	0.060	1.52	0.77	537
4	3	8	0.045	1.14	0.080	2.03	0.93	778
4	4	8	0.045	1.14	0.080	2.03	1.00	909
2	3	6	0.045	1.14	0.080	2.03	1.03	1155
2	4	6	0.045	1.14	0.080	2.03	1.15	1429



Transformer Riser Wire

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

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

SPECIFICATIONS: Transformer riser wire meets or exceeds the following specifications: ASTM B3 Soft or Annealed Copper Wire, ASTM B8 Concentric-Lay-Stranded Copper Conductor, D1248 Polyethylene Plastics Extrusion Materials for Wire and Cable, and ANSI/ICEA S-70-547 Weather-Resistant Polyethylene Covered Conductors.

OPTIONS: High Density Polyethylene. Other Covering Thickness

Conductor Size	No. of Strands	Bare Conductor Diameter		Covering Thickness		Covered Diameter		Weight	
AWG	ou anus	inches	mm	inches	mm	inches	mm	lbs/kft	
8	Solid	0.129	3.28	0.110	2.79	0.35	8.9	83	
6	Solid	0.162	4.11	0.110	2.79	0.38	9.7	117	
6	7	0.184	4.67	0.110	2.79	0.40	10.3	122	
4	Solid	0.204	5.18	0.110	2.79	0.42	10.8	170	
4	7	0.232	5.89	0.110	2.79	0.45	11.5	177	
2	Solid	0.258	6.55	0.110	2.79	0.48	12.1	255	
2	7	0.292	7.42	0.110	2.79	0.51	13.0	270	
1/0	19	0.373	9.47	0.110	2.79	0.59	15.1	400	
2/0	19	0.419	10.64	0.125	3.18	0.67	17.0	505	
4/0	19	0.528	13.41	0.125	3.18	0.78	19.8	765	

All values are nominal and subject to correction

5/15KV Jumper - 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 semi-conducting tape separator. Insulation: Heat and moisture resistant 175mil thick ethylene propylene (EPR). Jacket: Heavy duty, red or black 80 mil thick CPE. Rating: 5KV/15KV -40°C to 90°C. ASTM B-33, B-172. ICEA S-75-381.

Conductor Size	No. of	Overall l	Diameter	Weight
AWG/kcmil	Strands	inches	mm	lbs/kft
2	259	0.82	20.8	550
1/0	426	0.89	22.7	730
2/0	532	1.00	25.3	850
4/0	852	1.14	29.0	1,174
350	1,410	1.31	33.2	2,220
500	1,952	1.41	35.8	2,377
777	7,581	1.57	39.8	2,997
1550	15,561	1.97	49.9	5,649



1/C Copper XLP RHH/RHW-2/USE-2 600V

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 USE-2 conductors is 600 volts. Sizes 1/0 AWG through 1000kcmil rated for use in cable tray.

CONSTRUCTION: Annealed or soft drawn copper. Insulation is an abrasion, moisture, heat, and sunlight resistant cross-linked polyethylene (XLP). **SPECIFICATIONS:** Type RHH or RHW-2 or USE-2 meets or exceeds standards UL 44 (for RHH or RHW-2), UL 854 (for USE-2). ICEA S-95-658/NEMA WC 70 - Nonshielded 0 - 2 kV Cables. ASTM B3 Soft or Annealed Copper Wire, B8 Concentric Lay Stranded Copper Conductors, or B787 19 Wire Combination Unilay-Stranded Copper Conductors. Federal Specification A-A-59544, and requirements of the National Electrical Code. Sunlight Resistant. Colors Available. RoHS Compliant.

Conductor Size	No. of Strands	Insulation Thickness	Nominal O.D.	Approx. Weight	Allowable Ampacities* (amps)		
AWG/kcmil	Strailus	inches	inches	lbs/kft	60°C	75°C	90°C
14**	7	0.045	0.16	21	15	20	25
12**	7	0.045	0.18	30	20	25	30
10**	7	0.045	0.21	43	30	35	40
8	7	0.060	0.26	69	40	50	55
6	7	0.060	0.30	103	55	65	75
4	7	0.060	0.35	156	70	85	95
2	7	0.060	0.40	238	95	115	130
1	19	0.080	0.48	307	110	130	145
1/0	19	0.080	0.52	384	125	150	170
2/0	19	0.080	0.56	476	145	175	195
3/0	19	0.080	0.61	590	165	200	225
4/0	19	0.080	0.67	735	195	230	260
250	37	0.095	0.76	868	215	255	290
300	37	0.095	0.80	1029	240	285	320
350	37	0.095	0.87	1192	260	310	350
400	37	0.095	0.90	1352	280	335	380
500	37	0.095	0.99	1673	320	380	430
600	61	0.110	1.09	2012	350	420	475
700	61	0.110	1.16	2332	385	460	520
750	61	0.110	1.21	2493	400	475	535
800	61	0.110	1.22	2652	410	490	555
900	61	0.110	1.28	2970	435	520	585
1000	61	0.110	1.37	3292	455	545	615

^{*} Allowable ampacities shown are for general use as specified by the National Electric Code, 2017 Edition, Table 310.15(B)(16).

^{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.

^{**}Per the NEC 240.4(D) footnote, the overcurrent protection shall not exceed 15 amps for #14 AWG, 20 amps for #12 AWG, and 30 amps for #10 AWG.



1/C Aluminum XLP RHH/RHW-2/USE-2 600V

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, for environments where superior insulation toughness and chemical resistance are required, 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 B800, B801, UL44, UL854, NEC, ICEA S-105-692, ICEA S-95-658/NEMA WC 70

Conductor Size	No. of Strands	Insulation Thickness	Nominal O.D.	Approx. Weight	Allowable	e Ampacities	* (amps)
AWG/kcmil		inches	inches	lbs/kft	60°C	75°C	90°C
8	7	0.060	0.26	36	35	40	45
6	7	0.060	0.29	49	40	50	55
4	7	0.060	0.34	65	55	65	75
3	7	0.060	0.37	78	65	75	85
2	7	0.060	0.39	94	75	90	100
1	18	0.080	0.46	126	85	100	115
1/0	18	0.080	0.50	151	100	120	135
2/0	18	0.080	0.54	182	115	135	150
3/0	18	0.080	0.59	221	130	155	175
4/0	18	0.080	0.64	269	150	180	205
250	35	0.095	0.71	326	170	205	230
300	35	0.095	0.76	381	195	230	260
350	35	0.095	0.81	435	210	250	280
400	35	0.095	0.85	489	225	270	305
500	35	0.095	0.93	595	260	310	350
700	58	0.110	1.10	829	315	375	425
750	58	0.110	1.13	881	320	385	435
1000	58	0.110	1.28	1145	375	445	500

^{*} Allowable ampacities shown are for general use as specified by the National Electric Code, 2017 Edition, Table 310.15(B)(16).

^{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.



1/C Tinned Copper EPR RHH/RHW-2/USE-2 CPE 600V

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: Soft drawn tin coated copper, Class B stranded per ASTM B-8, B-33

SEPARATOR: Tape separator between the conductor and insulation

INSULATION: Ethylene-propylene rubber (EPR) **JACKET:** Black heavy duty, thermoset CPE

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

CT USE" for 1/0 AWG and larger.

Size	No. of Strands	Insulation Thickness	Jacket Thickness	Overall Diameter	Weight	Ampacity* @ 90°C
AWG/kcmil	Strailus	inches	inches	inches	lbs/kft	amps
14	7	0.030	0.015	0.17	24	25
12	7	0.030	0.015	0.19	34	30
10	7	0.030	0.015	0.21	49	40
8	7	0.045	0.015	0.28	79	55
6	7	0.045	0.030	0.35	124	75
4	7	0.045	0.030	0.39	179	95
2	7	0.045	0.030	0.45	260	130
1/0	19	0.055	0.045	0.58	420	170
2/0	19	0.055	0.045	0.62	513	195
4/0	19	0.055	0.045	0.74	774	225
250	37	0.065	0.065	0.85	956	260
350	37	0.065	0.065	0.96	1290	350
500	37	0.065	0.065	1.09	1798	430
750	61	0.080	0.065	1.30	2686	535
1000	61	0.080	0.065	1.46	3463	615

^{*}Ampacities are based on Table 310.15 (B)(16) of the NEC-2017 at ambient temperature of 30°C



Bare and Tinned Copper Conductors

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

DESCRIPTION: Solid or concentric-lay stranded bare copper conductors available in soft, medium-hard, or hard temper. Tin coated copper conductors available in soft temper only.

SPECIFICATIONS: 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.

OPTIONS: Tinned copper per 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.

Conductor Size	Cross Sectional Area	No. of	Overall Diameter	Weight			
AWG/kcmil	cmils	Strands	inches	lbs/kft			
SOFT DRAWN COPPER-SOLID							
14	4110	Solid	0.0640	13			
12	6530	Solid	0.0810	20			
10	10380	Solid	0.1020	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	COPPER-STRA	NDED				
8	16510	7	0.146	51			
6	26240	7	0.184	81			
4	41740	7	0.232	129			
2	66360	7	0.292	205			
1	83690	19	0.332	258			
1/0	105600	7 or 19	0.373	326			
2/0	133100	7 or 19	0.419	411			
3/0	167800	7 or 19	0.470	518			
4/0	211600	7 or 19	0.528	653			
250	250000	19 or 37	0.575	772			
350	350000	19 or 37	0.681	1081			
500	500000	37	0.813	1544			
750	750000	61	0.998	2316			
1000	1000000	61	1.152	3088			

Conductor Size		Conductor Size					
Conductor Size	Footage	Colluctor Size	Footage				
AWG/kcmil	rootago	AWG	lootago				
25 P	25 POUND DISTRIBUTION SPOOLS						
14 Solid	2015	8 - 7	490				
12 Solid	1265	6 - 7	308				
10 Solid	795	4 - 7	200				
8 Solid	500	2 - 7	125				
6 Solid	315						
4 Solid	200						
2 Solid	125						



Aluminum Clad Steel Wire

APPLICATION: Aluminum Clad Steel Guy or "Messenger" Wire and Static Wire are used in utility classifications for overhead use such as in power lines, telephone lines, railway signals, communication lines, towers, and masts. It is a high strength wire with aluminum thickness in minimum of 10% wire radius creating an electrical conductivity of 20.3%, highly corrosive resistant, and a thermal stability for high temperature operation and all with a lighter weight.

STANDARDS: ASTM B415, B416.

RUS ACCEPTED

No. x Size	Diameter	Breaking Load	Weight
AWG	inches	lbs	lbs/kft
	Stati	c Wire	
3#5	0.392	12,230	225
3#6	0.349	10,280	178
3#7	0.311	8,621	141
3#8	0.277	7,206	112
3#9	0.247	5,715	89
3#10	0.220	4,532	70
7#5*	0.546	27,030	525
7#6*	0.486	22,730	416
7#7*	0.433	19,060	330
7#8*	0.385	15,930	262
7#9*	0.343	12,630	208
7#10*	0.306	10,020	165
7#11*	0.272	7,954	131
7#12*	0.242	6,301	104
19#5	0.910	73,350	1430
19#6	0.810	61,700	1134
19#7	0.721	51,730	900
19#8	0.642	43,240	714
19#9	0.572	34,290	566
19#10	0.509	27,190	449
37#5	1.270	142,800	2802
37#6	1.130	120,200	2222
37#7	1.010	100,700	1762
37#8	0.899	84,200	1398
37#9	0.801	66,770	1108
37#10	0.713	52,950	879

Designation	No. x Size	Diameter	Breaking Load	Weight
Designation	AWG		lbs	lbs/kft
	Guy and Mess	enger Wire A	WG Equivalent	
6M*	7#12	0.242	6,300	104
8M*	7#11	0.272	8,000	131
10M*	7#10	0.306	10,000	165
12.5M*	7#9	0.343	12,500	206
14M*	7x0.121"	0.363	14,100	232
16M*	7#8	0.385	16,000	260
20M*	7x0.148"	0.444	20,000	348

All values are nominal and subject to correction

Guy and Mesenger Wire: 500' coils and 5000' reel put ups

Static Wire: 5000' reel put ups

^{*}RUS accepted construction



Ground Rods & Plates

APPLICATION: To be driven into the earth to provide grounding for substations, towers, homes, buildings and all other structures that contain electrical products or for applications to provide grounding against lightning.

SPECIFICATIONS:

Copper: High Quality steel with a consistant covering of electrolytic copper. UL 467 for ground rods of one-half inch to one inch in diameter, eight to ten feet in length. • 10 & 13 Mil Rods 8' and larger are UL approved, RUS accepted copper rods are as noted.

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

Galvanized Plate: UL 467 approved. High Quality Steel with a consistent covering of zinc. Grounding plate as efficient as two 10ft. x 5/8" ground rods.

Part Number	Rod Size x	Nominal O.D.	Master Bundle	We	eight	Copper Thickness	UL Listed
Fart Number	Length	inches	pcs	lbs/bundle	lbs/100 Pcs	mils	OL LISIEU
		COPPER	R GROUND RODS	SINGLE TYP	:		
PWC125	½" x 5'	0.433	100	312	312	5	NO
PWC126	½" x 6'	0.433	100	400	400	5	NO
PWC128-5	½" x 8'	0.433	100	500	500	5	NO
PWC128	½" x 8'	0.433	100	500	500	10	YES
PWC128-10	½" x 8'	0.496	100	500	500	10	YES
PWC1210	½" x 10'	0.496	100	625	625	10	YES
PWC586	5⁄8" x 6'	0.555	100	510	510	5	NO
PWC588*	5⁄8" x 8'	0.555	100	700	700	10	YES
PWC588-13*	5⁄8" x 8'	0.563	100	700	700	13	YES
PWC5810-13	5⁄8" x 10'	0.563	100	870	870	13	YES
PWC5810*	5⁄8" x 10'	0.555	100	900	900	10	YES
PWC348*	3/4" x 8'	0.673	50	500	1000	10	YES
PWC348-13*	3/4" x 8'	0.680	50	572	1144	13	YES
PWC3410*	3⁄4" x 10'	0.673	50	650	1300	10	YES
PWC110	1" x 10'	0.894	25	575	2300	10	YES
		COPPER (GROUND RODS SI	ECTIONAL TY	PE .		
PWCS1210	½" x 10'	0.496	100	625	625	10	YES
PWCS588*	5⁄8" x 8'	0.555	100	680	680	10	YES
PWCS588-13*	5⁄8" x 8'	0.555	100	696	696	13	YES
PWCS5810*	5⁄8" x 10'	0.555	100	900	900	10	YES
PWCS348*	3/4" x 8'	0.673	50	500	1000	10	YES
PWCS3410*	3⁄4" x 10'	0.673	50	650	1300	10	YES
PWCS3410-13*	3⁄4" x 10'	0.673	50	745	1490	13	YES
PWCS110	1" x 10'	0.894	25	575	2300	10	YES

All values are nominal and subject to correction

Call for additional sizes.

(Continued on page 35)

^{*}RUS accepted

^{**}UL listed upon request



Ground Rods & Plates

CONTINUED

Part Number	Rod Size x	Nominal O.D.	Master Bundle	W	eight	Copper Thickness	UL Listed
i ait Number	Length	inches	pcs	lbs/bundle	lbs/100 Pcs	mils	OL LISICU
		HOT DIP	PED GALVANIZED	GROUND RO	ODS		
PWCG125	½" x 5'	0.485	100	300	300	-	NO
PWCG126	½" x 6'	0.485	100	400	400	-	NO
PWCG586	5%" x 6'	0.543-0.555	100	490	490	-	NO
PWCG588	5%" x 8'	0.543-0.555	100	650	650	-	NO**
PWCG588F	5%" x 8'	0.625	100	800	800	-	NO
PWCG5810	5⁄%" x 10'	0.543-0.555	100	820	820	-	NO**
PWCG3410	3⁄4" x 10'	0.75-0.765	50	1530	765	-	NO**

Dort I	Part Number	Plate Width x	Plate	Grounding Connector Post	We	eight	Copper Thickness	UL Listed
Part Number		Length	Thickness	Width x Length Above Plate	lbs/plate	lbs/100 Pcs	mils	OL LISIEU
			HOT DII	PPED GALVANIZEI	GROUND P	LATE		
PWC	GP	10" x 16"	0.25"	0.58" x 2"	12	1200	-	YES

All values are nominal and subject to correction

Call for additional sizes.

^{*}RUS accepted

^{**}UL listed upon request



Ground Rods 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 condutor to driven copper ground rod - Approved for direct burial in the earth and concrete - Contains a bronze hex headed bolt - Constructed of high strength, corrosive resistant bronze

Bronze Water Pipe Ground Clamps: UL / CSA - connects grounding conductor to driven galvanized ground rod - Constructed of high strength, highly conductive bronze - Steel screws plated for corrosion resistance or Bronze screw depending on part number

Cast Bronze Plated Water Pipe Ground Clamps: Connects grounding conductor to galvanized ground rod - Die cast zinc body with brass colored plating - Assembled with zinc plated steel screws for corrosion resistance

Ground Rod Driving Studs: UL listed - Threads onto ground rod coupling for driving to eliminate damage to ground rod threads • Constructed from high strength, corrosive resistant steel with bronze plating

Part Number	Size	Wire Size	e (AWG)	10 4.3 43 100 17 17	eight	
r ai t Nullingi	3126	max	min	Packaging Pcs	lbs/Package	lbs/100 Pcs
Ground Rod Co	uplings					
PC12	1/2"	-	-	10	1.6	16
PC58	5/8"	•	•	10	2.5	25
PC34	3/4"	-	-	10	3.8	38
PC01	1"	•	•	10	6.5	65
Direct Burial Ro	od Clamps					
P4	1/2"	2	10	100	9	9
P5	5/8"	2	10	50	5	10
P6	3/4"	2	10	50	5.5	11
PU	1/2" - 3/4"	1/0	10	50	9.5	19
Bronze Water P	ipe Ground Clan	nps-Plated Steel S	crew			
PWP121	1½"	2	10 Sol	25	4.8	19
PWP1142	1 1/4" to 2"	2	10 Sol	10	4.3	43
Bronze Water P	ipe Ground Clan	nps-Bronze Screw	-Direct Burial			
PWP121-DB	½" to 1"	2	10 Sol	10	4.3	43
Cast Bronze Pla	ated Water Pipe	Ground Clamps				
PWPP121	½" to 1"	2	10 Sol	100	17	17
Ground Rod Dri	ving Studs					
PD12	1½"	-	-	10	1.2	12
PD58	5/8"	-	-	10	2.3	23
PD34	3/4"	-	-	10	3.5	35
PD01	1"	-	-	10	4.9	49



FR-NP™ Flame Resistant — Non-Propagating Spacer Cable (Tree Wire)

APPLICATION: Used in primary and secondary overhead distribution where there is limited space available for rights of way, and where fire hazards are concerns. Its close-proximity configuration minimizes the amount of space and hardware required for line installation effectively solving most right-of-way-problems. In case of a fire, the flame resistant wire will eliminate the spread of fires along transmission lines, which reduces the secondary fires caused by the propagation and dripping flaming material.

CONSTRUCTION: Stranded hard drawn AAC, AAAC, or ACSR conductors. A semi-conducting tape may be applied over conductor as needed. Semiconducting Cross-linked Polyethylene, black strand shield. Crosslinked polyethylene (XLP), natural inner covering. Flame, sunlight and track resistant crosslinked polyethylene (XLP), black or gray outer covering.

SPECIFICATIONS: UL 2556 Flame Test FT1/VW-1, FT2 • ICEA: S-121-733 Tree Wire and Messenger Supported Spacer Cable • ASTM B230 Aluminum 1350—H19 Wire for Electrical Purposes. B231 Concentric-Lay-Stranded Aluminum 1350 Conductors. B232 Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR).B398 Aluminum-Alloy 6201-T81 and 6201-T83 Wire for Electrical Purposes. B399 Concentric Lay-Stranded Aluminum Alloy 6201-T81 Conductors. B-400 Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors. B498 Zinc-Coated (Galvanized) Steel Core Wire for Use in Overhead Electrical Conductors.

Conductor	Min.		Conductor	Conductor	Covering	Thickness	Finished	Cable	Rated
Size	Number of	Stranding Type	Diameter	Shield Thickness	Inner	Outer	Cable Diameter	Weight	Strength
AWG/kcmil	Strands*	"	inches	inches	inches	inches	inches	lbs/kft	lbs
			A	AC Conducto	rs-15kV				
2	7	Compressed	0.292	0.015	0.075	0.075	0.62	191	1,112
1/0	7	Compact	0.336	0.015	0.075	0.075	0.67	238	1,791
2/0	7	Compact	0.376	0.015	0.075	0.075	0.71	274	2,259
3/0	7	Compact	0.423	0.015	0.075	0.075	0.75	319	2,736
4/0	18	Compact	0.475	0.015	0.075	0.075	0.81	374	3,447
266.8	18	Compact	0.537	0.015	0.075	0.075	0.87	442	4,473
336.4	18	Compact	0.603	0.015	0.075	0.075	0.93	524	5,535
397.5	18	Compact	0.659	0.015	0.075	0.075	0.99	595	6,399
477	35	Compact	0.722	0.015	0.075	0.075	1.05	686	7,524
556.5	35	Compact	0.780	0.020	0.075	0.075	1.13	798	8,946
636	35	Compact	0.835	0.020	0.075	0.075	1.19	887	10,260
715.5	58	Compact	0.897	0.020	0.080	0.080	1.27	1,000	11,790
795	58	Compact	0.932	0.020	0.080	0.080	1.30	1,084	12,510
			A	AC Conducto	rs-25kV				
2	7	Compressed	0.292	0.015	0.125	0.125	0.82	315	1,112
1/0	7	Compact	0.336	0.015	0.125	0.125	0.87	369	1,791
2/0	7	Compact	0.376	0.015	0.125	0.125	0.91	412	2,259
3/0	7	Compact	0.423	0.015	0.125	0.125	0.95	464	2,736
4/0	18	Compact	0.475	0.015	0.125	0.125	1.01	527	3,447
266.8	18	Compact	0.537	0.015	0.125	0.125	1.07	605	4,473
336.4	18	Compact	0.603	0.015	0.125	0.125	1.13	698	5,535
397.5	18	Compact	0.659	0.015	0.125	0.125	1.19	779	6,399
477	35	Compact	0.722	0.015	0.125	0.125	1.25	879	7,524
556.5	35	Compact	0.780	0.020	0.125	0.125	1.33	1,004	8,946
636	35	Compact	0.835	0.020	0.125	0.125	1.39	1,102	10,260
795	58	Compact	0.932	0.020	0.125	0.125	1.48	1,293	12,510

(Continued on page 38)



FR-NP™ Flame Resistant — CONTINUED Non-Propagating Spacer Cable (Tree Wire)

Conductor Size	Min.	Stranding	Conductor Diameter	Conductor Shield		Thickness	Finished Cable	Cable Weight	Rated Strength
	Number of Strands*	Туре		Thickness	Inner	Outer	Diameter	-	Suchgui
AWG/kcmil			inches	inches	inches	inches	inches	lbs/kft	lbs
				AC Conducto					
1/0	7	Compact	0.336	0.015	0.175	0.125	0.97	437	1,791
2/0	7	Compact	0.376	0.015	0.175	0.125	1.01	482	2,259
3/0	7	Compact	0.423	0.015	0.175	0.125	1.05	538	2,736
4/0	18	Compact	0.475	0.015	0.175	0.125	1.11	604	3,447
266.8	18	Compact	0.537	0.015	0.175	0.125	1.17	686	4,473
336.4	18	Compact	0.603	0.015	0.175	0.125	1.23	783	5,535
397.5	18	Compact	0.659	0.015	0.175	0.125	1.29	867	6,399
477	35	Compact	0.722	0.015	0.175	0.125	1.35	972	7,524
556.5	35	Compact	0.780	0.020	0.175	0.125	1.43	1,102	8,946
636	35	Compact	0.835	0.020	0.175	0.125	1.49	1,204	10,260
795	58	Compact	0.932	0.020	0.175	0.125	1.58	1,401	12,510
			A	AAC Conduct	ors-15kV				
123.3	7	Compressed	0.398	0.015	0.075	0.075	0.73	271	3,843
155.4	7	Compressed	0.447	0.015	0.075	0.075	0.78	314	4,851
195.7	7	Compressed	0.502	0.015	0.075	0.075	0.83	367	6,111
246.9	7	Compressed	0.563	0.015	0.075	0.075	0.89	430	7,704
312.8	19	Compressed	0.642	0.015	0.075	0.075	0.97	521	9,450
394.5	19	Compressed	0.721	0.015	0.075	0.075	1.05	619	11,970
465.4	19	Compressed	0.783	0.015	0.075	0.075	1.11	702	14,040
559.5	19	Compressed	0.858	0.020	0.075	0.075	1.21	834	16,920
			A	AAC Conduct	ors-35kV				
123.3	7	Compressed	0.398	0.015	0.175	0.125	1.03	484	3,843
155.4	7	Compressed	0.447	0.015	0.175	0.125	1.08	538	4,851
195.7	7	Compressed	0.502	0.015	0.175	0.125	1.13	603	6,111
246.9	7	Compressed	0.563	0.015	0.175	0.125	1.19	681	7,704
312.8	19	Compressed	0.642	0.015	0.175	0.125	1.27	793	9,450
394.5	19	Compressed	0.721	0.015	0.175	0.125	1.35	908	11,970
465.4	19	Compressed	0.783	0.015	0.175	0.125	1.41	1,005	14,040
559.5	19	Compressed	0.858	0.020	0.175	0.125	1.51	1,159	16,920

All values are nominal and subject to correction

(Continued on page 39)

^{*}AAC: The minimum number of wires refers to the structure of Class A or B in ASTM B231 and B400.

^{*}AAAC: The minimum number of wires refers to the structure of Class AA or A in ASTM B 399.



FR-NP™ Flame Resistant — CONTINUED Non-Propagating Spacer Cable (Tree Wire)

Conductor	Number of	Conductor	Conductor	Covering	Thickness	Finished	Cable	Rated
Size	Strands	Diameter	Shield Thickness	Inner	Outer	Cable Diameter	Weight	Strength
AWG/kcmil	AL/Steel	inches	inches	inches	inches	inches	lbs/kft	lbs
			ACSR	Conductors	-15kV			
4	6/1	0.250	0.015	0.075	0.075	0.58	175	1,767
2	6/1	0.316	0.015	0.075	0.075	0.65	227	2,707
1/0	6/1	0.398	0.015	0.075	0.075	0.73	304	4,161
2/0	6/1	0.447	0.015	0.075	0.075	0.78	357	5,035
3/0	6/1	0.502	0.015	0.075	0.075	0.83	418	6,289
4/0	6/1	0.563	0.015	0.075	0.075	0.89	495	7,932
266.8	18/1	0.609	0.015	0.075	0.075	0.87	493	6,536
266.8	26/7	0.642	0.015	0.075	0.075	0.97	601	10,573
336.4	18/1	0.684	0.015	0.075	0.075	1.01	611	8,246
336.4	26/7	0.720	0.015	0.075	0.075	1.05	718	13,395
336.4	30/7	0.741	0.015	0.075	0.075	1.07	788	16,971
397.5	18/1	0.743	0.015	0.075	0.075	1.07	694	9,443
397.5	24/7	0.772	0.015	0.075	0.075	1.10	781	13,775
397.5	26/7	0.783	0.015	0.075	0.075	1.11	819	15,485
477	24/7	0.846	0.015	0.075	0.075	1.18	905	16,340
477	26/7	0.858	0.015	0.075	0.075	1.19	950	18,525
477	30/7	0.883	0.015	0.075	0.075	1.21	1,048	22,610
556.5	18/1	0.879	0.020	0.075	0.075	1.23	930	13,015
556.5	24/7	0.914	0.020	0.075	0.075	1.26	1,052	18,810
556.5	26/7	0.927	0.020	0.075	0.075	1.28	1,106	21,375
636	18/1	0.940	0.020	0.075	0.075	1.29	1,035	14,915
636	26/7	0.990	0.020	0.075	0.075	1.34	1,234	23,940
			ACSR (Conductors	-25kV			
2	6/1	0.316	0.015	0.125	0.125	0.85	355	2,707
1/0	6/1	0.398	0.015	0.125	0.125	0.93	445	4,161
2/0	6/1	0.447	0.015	0.125	0.125	0.98	506	5,035
3/0	6/1	0.502	0.015	0.125	0.125	1.03	576	6,289
4/0	6/1	0.563	0.015	0.125	0.125	1.09	663	7,932
266.8	18/1	0.609	0.015	0.125	0.125	1.07	659	6,536
336.4	18/1	0.684	0.015	0.125	0.125	1.21	800	8,246
397.5	18/1	0.743	0.015	0.125	0.125	1.27	893	9,443
477	18/1	0.814	0.015	0.125	0.125	1.34	1,012	22,610
556.5	18/1	0.879	0.020	0.125	0.125	1.43	1,154	13,015
636	18/1	0.940	0.020	0.125	0.125	1.49	1,269	14,915
795	36/1	1.040	0.020	0.125	0.125	1.59	1,415	12,510
			ACSR	Conductors	-35kV			
4/0	6/1	0.563	0.015	0.175	0.125	1.19	746	7,932
266.8	18/1	0.537	0.015	0.175	0.125	1.17	741	6,536
336.4	18/1	0.684	0.015	0.175	0.125	1.31	892	8,246
397.5	18/1	0.743	0.015	0.175	0.125	1.37	988	9,443
477	18/1	0.814	0.015	0.175	0.125	1.44	1,111	22,610

All values are nominal and subject to correction

1-833-895-9473



Galvanized Steel Guy Strand

APPLICATION: Used to add stability to a free-standing structure or tower. **SPECIFICATIONS:** Manufactured and inspected per ASTM A475 and BS-183.

RUS ACCEPTED

OPTIONS: Overhead Ground Wire per ASTM A363 is available upon request.

	CONSTRU	JCTION		IV	IINIMUM BRE	AKING STREN	GTH	COA	TING
Wire Diameter	No. of Strands	Coated Strand Diameter	Approx. Weight	Utilities Grade	Siemens- Martin Grade	High Strength Grade	Extra High Strength Grade	Zinc Coating	Min. Coating Weight Class A
inches		inches	lbs/kft	lbs	lbs	lbs	lbs		oz/sq.ft.
1/4	7	0.080	121	-	3,150	4,750	6,650	100%	0.60
5/16	7	0.104	205	1	5,350	8,000	11,200	100%	0.80
3/8	7	0.120	273	11,500	6,950	10,800	15,400	100%	0.85
7/16	7	0.145	399	18,000	9,350	14,500	20,800	100%	0.90
1/2	7	0.165	517	25,000	12,100	18,800	26,900	100%	0.90
9/16	7	0.188	671	-	15,700	24,500	35,000	100%	1.00

All values are nominal and subject to correction

PACKAGING: 250' and 500' Coils with 18" ID • 2,500' and 5,000' Reels • Bulk cut to length

Tap Wire - TPE (TPR) Covered

APPLICATION: Used to connect an overhead phase conductor to equipment bushings. This aids in preventing outages caused by wildlife connecting the energized tap wire with another phase or ground plane. This may also be used in substation equipment connections and as a covered ground lead.

CONDUCTOR: Compressed stranded or solid bare copper

INSULATION: Black thermoplastic elastomer (thermoplastic rubber).

SPECIFICATIONS: ASTM B3, B8, B258

Conductor Size	No. of Strands	Conductor	Conductor Diameter		Insulation Thickness Overall Dia			Approx. Weight	Ampacity*
AWG	Strailus	inches	mm	inches	mm	inches	mm	lbs/kft	amps
6	7	0.178	4.52	0.150	3.81	0.48	12.1	145	130
6	solid	0.162	4.11	0.150	3.81	0.46	11.7	143	130
4	7	0.225	5.72	0.150	3.81	0.53	13.5	214	175
4	solid	0.204	5.18	0.150	3.81	0.50	12.8	212	175
2	7	0.283	7.19	0.150	3.81	0.58	14.8	290	230

^{*75°}C conductor, 25°C ambient, 2ft/sec. wind in sun



600V Generator CableTray Cable UL Type TC / TC-ER-JP

APPLICATION: Multi-conductor all in one cable for connecting a generator to a transfer switch. JP (Joist Pull) rated per the 2017 NEC 336.10(9). Black jacket and color coded inner conductors.

CONSTRUCTION: Conductors: Element 1 & 3: Annealed bare 19 strand copper OR Aluminum 8000 series Class B stranded, Element 2: Annealed bare copper Class K stranded. Polyvinylchloride (PVC) & Nylon insulation. Sunlight resistant and direct burial approved PVC jacket with ripcord. All 3 Elements or Conductors are cabled together with Non-Hygroscopic Polypropylene fillers as required for a circular cross-section with a clear mylar binder tape and an overall PVC jacket.

SPECIFICATIONS: UL Listed as TC-ER-JP per UL Standard 1277. Rated 75°C wet or dry to meet UL 83 for THHN/THWN. Meets cold bend test at -40°C. ICEA S-73-532. Meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements. Suitable for use in Class I Division 2 hazardous locations. Element 1 & 2 conductors pass UL VW-1 flame test, rated THWN/VW-1. ASTM B3, B174, B787, B801. RoHS & REACH Compliant.

Part Number	Section	Conductor Size	No. of	No. of	Insula Thick		Nyl Thick		Jac Thick		Overall Diameter	Weight
(Rating)		AWG	Conductors	Strands	inches	mm	inches	mm	inches	mm	inches	lbs/M-kft
				Coppe	r Conducto	ors						
	Element 1	8	3	19	0.030	0.76	0.006	0.15	•	ı	-	-
8-03TCG/18-06-VN	Element 2	18	6	16	0.015	0.38	0.005	0.13	-	1	-	-
(7kW-11kW)	Element 3	10	1	19	0.048	1.22	0.004	0.10				
	Overall	-		-	-	-	1	1	0.060	1.52	0.65	363
	Element 1	4	3	19	0.040	1.02	0.007	0.18	ı	ı	-	-
4-03TCG/18-06-VN	Element 2	18	6	16	0.015	0.38	0.005	0.13	-	1	-	-
(12kW-16kW)	Element 3	8	1	19	0.030	0.76	0.005	0.13				
	Overall	-		1	ı	ı	1	•	0.080	2.03	0.89	750
	Element 1	3	3	19	0.040	1.02	0.007	0.18	1	ı	-	-
3-03TCG/18-06-VN	Element 2	18	6	16	0.015	0.38	0.005	0.13	-	1	-	-
(17kW-22kW)	Element 3	8	1	19	0.030	0.76	0.005	0.13				
	Overall	-		-	-	-	-	•	0.080	2.03	0.95	865
			Alι	ıminum &	Copper Co	onductor	S					
	Element 1	1	3	19	0.050	1.27	0.008	0.20	ı	ı	-	-
1-03TCGAL/18-06-VN	Element 2	18	6	16	0.015	0.38	0.005	0.13	-	1	-	-
(17kW-22kW)	Element 3	6	1	7	0.030	0.76	0.005	0.13				
	Overall	-		-	-	-	-	-	0.080	2.03	1.08	651



Tracer Wire 30V-600V **Solid Copper**

APPLICATION: Tracer Wire is suitable for direct burial or use with plastic pipe to aid in the detection and tracing of underground utility lines for gas, water, sewer, and telecommunication and other systems. Made with a high density high molecular weight polyethylene insulation that has excellent abrasion, crush, chemical, oil and moisture resistance. The temperature rating is -25 °C to 75 °C.

CONSTRUCTION: Solid copper conductor. High density high molecular weight polyethylene (HDHMWPE) insulation.

SPECIFICATIONS: ASTM B3, B258, D1248, UL 2989 (not listed). RoHS Compliant.

COLOR CODE: Blue - Potable Water • Green - Sewer, Drain Lines • Purple - Reclaimed Water • Red - Electric • Orange - Communication •

Yellow - Gas • Black • White

Conductor Size	Conductor	Diameter	Wire Diameter		Weight	Approx. Break Strength
AWG	inches	mm	inches	mm	lbs/kft	lbs
		45 Mil	Insulation 3	80V/600V		
16	0.051	1.30	0.11	2.8	11	69
14	0.064	1.63	0.12	3.1	16	110
12	0.081	2.06	0.14	3.6	24	174
10	0.102	2.59	0.16	4.1	36	277
		45 Mil	Insulation 3	30V/600V		
16	0.051	1.30	0.11	2.8	14	69
14	0.064	1.63	0.12	3.1	19	110
12	0.081	2.06	0.14	3.6	27	174
10	0.102	2.59	0.16	4.1	39	277

All values are nominal and subject to correction

Tracer Wire 30V-600V Standard Strength (SS-CCS)

APPLICATION: Tracer Wire is suitable for direct burial or use with plastic pipe to aid in the detection and tracing of underground utility lines for gas, water, sewer, telecommunication and other systems. Made with a high density high molecular weight polyethylene insulation that has excellent abrasion, crush, chemical, oil and moisture resistance. The temperature rating is -25 °C to 75 °C.

CONSTRUCTION: Copper-clad steel conductor, standard strength, 21% conductivity. High density high molecular weight polyethylene (HDHMWPE) insulation.

SPECIFICATIONS: ASTM B910, D1248. UL 2989 (not listed). RoHS Compliant.

COLOR CODE: Blue - Potable Water • Green - Sewer, Drain Lines • Purple - Reclaimed Water • Red - Electric • Orange - Communication • Yellow - Gas . Black . White

Conductor Size	Conductor	Diameter	Wire Dia	Wire Diameter		Approx. Break Strength
AWG	inches	mm	inches	mm	lbs/kft	lbs
		30 N	/lil Insulatio	n 30V		
18	0.040	1.02	0.10	2.5	7	75
16	0.051	1.29	0.11	2.8	10	115
14	0.064	1.63	0.12	3.1	15	194
12	0.081	2.05	0.14	3.6	22	302
10	0.102	2.59	0.16	4.1	34	513
8	0.129	3.26	0.19	4.8	51	700
		45 Mil	Insulation	30V/600V		
18	0.040	1.02	0.13	3.3	9	75
16	0.051	1.29	0.14	3.6	13	115
14	0.064	1.63	0.15	3.8	18	194
12	0.081	2.05	0.17	4.3	25	302
10	0.102	2.59	0.19	4.8	37	513
8	0.129	3.26	0.22	5.6	55	700



Tracer Wire 30V-600V High Strength (HS-CCS)

APPLICATION: Made for directional drilling/boring or similar applications that require high strength. The wire is made of high strength copper clad steel conductor with a high density high molecular weight polyethylene insulation that has excellent abrasion, crush, chemical, oil and moisture resistance. Suitable for direct burial or use with plastic pipe to aid in the detection and tracing of underground utility lines for gas, water, sewer, telecommunication and other systems. The temperature rating is -25°C to 75°C.

CONSTRUCTION: Copper-clad steel conductor with high carbon 1055 grade steel (HS-CCS), 21% conductivity. High density high molecular weight polyethylene (HDHMWPE) insulation.

SPECIFICATIONS: ASTM B910, D1248. UL 2989 (not listed). RoHS Compliant.

COLOR CODE: Blue - Potable Water • Green - Sewer, Drain Lines • Purple - Reclaimed Water • Red - Electric • Orange - Communication • Yellow - Gas • Black • White

Conductor Size	Conductor	Conductor Diameter		Wire Diameter		Approx. Break Strength
AWG	inches	mm	inches	mm	lbs/kft	lbs
		30 N	Ail Insulatio	n 30V		
18	0.040	1.02	0.10	2.5	7	110
16	0.051	1.29	0.11	2.8	10	145
14	0.064	1.63	0.12	3.1	15	285
12	0.081	2.05	0.14	3.6	22	455
10	0.102	2.59	0.16	4.1	34	685
8	0.129	3.26	0.19	4.8	51	870
		45 Mil	Insulation 3	30V/600V		
18	0.040	1.02	0.13	3.3	9	110
16	0.051	1.29	0.14	3.6	13	145
14	0.064	1.63	0.15	3.8	18	285
12	0.081	2.05	0.17	4.3	25	455
10	0.102	2.59	0.19	4.8	37	685
8	0.129	3.26	0.22	5.6	55	870

All values are nominal and subject to correction

Tracer Wire 30V-600V Extra High Strength (EHS-CCS)

APPLICATION: Made for directional drilling/boring or similar applications that require high strength. The wire is made of high strength copper clad steel conductor with a high density high molecular weight polyethylene insulation that has excellent abrasion, crush, chemical, oil and moisture resistance. Suitable for direct burial or use with plastic pipe to aid in the detection and tracing of underground utility lines for gas, water, sewer, telecommunication and other systems. The temperature rating is -25°C to 75°C.

CONSTRUCTION: Solid copper-clad steel conductor with hard drawn high carbon 1055 grade steel (EHS-CCS), 21% conductivity. High density high molecular weight polyethylene (HDHMWPE) insulation.

SPECIFICATIONS: ASTM B1010, D1248, UL 2989 (not listed). RoHS Compliant.

COLOR CODE: Blue - Potable Water • Green - Sewer, Drain Lines • Purple - Reclaimed Water • Red - Electric • Orange - Communication • Yellow - Gas • Black • White

Conductor Size	Conductor Diameter		Wire Diameter		Weight	Approx. Break Strength		
AWG	inches	mm	inches	mm	lbs/kft	lbs		
	45 Mil Insulation 30V/600V							
12	0.081	2.05	0.17	4.3	26	1155		
10	0.102	2.59	0.20	5.1	39	2040		
8	0.129	3.26	0.22	5.6	61	2790		



XLPE/CPE Instrumentation Cable 600V Tinned Cu Shielded Pairs/Triads UL Type TC-ER

APPLICATION: Used for power, control, signal, communication and lighting circuits in commercial and industrial environments such as utility generating stations, sub stations, chemical plants, fertilizer plants and nuclear plants. It may be installed in wet or dry locations at 90°C or in areas exposed to chemicals and oils.

CONSTRUCTION: Fully annealed tinned copper Class B stranded conductors. Flame retardant Cross-linked Polyethylene (XLPE) insulation that is heat and moisture resistant. Foil free edge Aluminum/Mylar Tape with 100% coverage and a stranded tinned copper drain wire on each pair/triad, with an overall Aluminum/Mylar Tape with 100% coverage and a stranded tinned copper drain wire in contact with the overall shield. Flame and sunlight resistant black Chlorinated Polyethylene (CPE) jacket with ripcord.

SPECIFICATIONS: UL Listed as TC-ER per standard UL 1277 for tray cables with 3+ conductors • Suitable for Class 1 Division 2 industrial hazardous locations per NEC • UL approved for Direct Burial, Sunlight and Oil I & II Resistant applications • Rated at 90°C wet or dry • Cold bend rated at -25°C • Meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements • ICEA S-73-532 • RoHS & REACH compliant

Conductor Size	Pair	No. of	Drain Wire Pair/Cable	Insula Thick		Jac Thick	ket kness	Over Diam		Weight
AWG	Count	Strands	AWG	inches	mm	inches	mm	inches	mm	lbs/kft
			SPOS XLF	E/CPE 600	V Shielde	d Tray Cab	le			
18	2	7	20/18	0.030	0.76	0.045	1.14	0.46	11.8	97
18	4	7	20/18	0.030	0.76	0.060	1.52	0.61	15.4	171
18	6	7	20/18	0.030	0.76	0.060	1.52	0.75	19.0	242
18	8	7	20/18	0.030	0.76	0.060	1.52	0.79	20.0	238
18	12	7	20/18	0.030	0.76	0.080	2.03	0.98	24.8	458
18	16	7	20/18	0.030	0.76	0.080	2.03	1.10	27.8	574
18	24	7	20/18	0.030	0.76	0.080	2.03	1.31	33.2	814
16	2	7	18/16	0.030	0.76	0.045	1.14	0.46	11.8	119
16	4	7	18/16	0.030	0.76	0.060	1.52	0.61	15.4	220
16	6	7	18/16	0.030	0.76	0.060	1.52	0.75	19.0	315
16	8	7	18/16	0.030	0.76	0.060	1.52	0.79	20.0	391
16	12	7	18/16	0.030	0.76	0.080	2.03	0.98	24.8	591
16	16	7	18/16	0.030	0.76	0.080	2.03	1.10	27.8	753
16	24	7	18/16	0.030	0.76	0.080	2.03	1.31	33.2	1073

All values are nominal and subject to correction

Conductor Size	Triad Count	No. of Strands	Drain Wire Triad/Cable	Insula Thick		Jac Thick	ket (ness	Over Diam		Weight
AWG	Count	Strailus	AWG	inches	mm	inches	mm	inches	mm	lbs/kft
	STOS XLPE/CPE 600V Shielded Tray Cable									
16	2	7	18/16	0.030	0.76	0.060	1.52	0.58	14.8	178
16	4	7	18/16	0.030	0.76	0.060	1.52	0.73	18.4	299
16	6	7	18/16	0.030	0.76	0.080	2.03	0.92	23.4	464
16	8	7	18/16	0.030	0.76	0.080	2.03	1.03	26.3	586
16	10	7	18/16	0.030	0.76	0.080	2.03	1.21	30.7	708
16	12	7	18/16	0.030	0.76	0.080	2.03	1.26	31.9	827



XLPE/CPE Shielded Tray Cable 600V Tinned Cu UL Type TC or TC-ER

APPLICATION: Used for power, control, signal, communication and lighting circuits in commercial and industrial environments such as utility generating stations, sub stations, chemical plants, fertilizer plants and nuclear plants. It may be installed in wet or dry locations at 90°C or in areas exposed to chemicals and oils.

CONSTRUCTION: Fully annealed tinned copper Class B stranded conductors. Flame retardant Cross-linked Polyethylene (XLPE) insulation that is heat and moisture resistant. Aluminum/Mylar Tape with 100% coverage and a stranded tinned copper drain wire. Flame and sunlight resistant black Chlorinated Polyethylene (CPE) jacket with ripcord.

SPECIFICATIONS: UL Listed as TC-ER per UL Standard 1277 for tray cables with 3+ conductors • Suitable for Class 1 Division 2 industrial hazardous locations per NEC • UL approved for Direct Burial, Sunlight and Oil I & II Resistant applications • Rated at 90°C wet or dry • Cold bend rated at -25°C • Meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements • ICEA S-73-532 • RoHS compliant

Conductor Size	No. of Conductors	No. of	Drain Wire	Insulation	Thickness	Jacket Th	nickness	Overall Di	ameter	Weight
AWG	Conductors	Strands	AWG	inches	mm	inches	mm	inches	mm	lbs/kft
18	2	7	22	0.030	0.76	0.045	1.14	0.30	7.7	50
16	2	7	22	0.030	0.76	0.045	1.14	0.32	8.2	59
16	3	7	22	0.030	0.76	0.045	1.14	0.36	9.1	78



Notes



Notes



UTILITY PRODU

ALUMINUM PRODUCTS

- Aluminum ACSR-AAC-AAAC ACAR, ACSS, ACSS/TW ACSS/AW, ACSR/AW Non-specular ACSR
- Aluminum Service Drop Cable
- Tree Wire
- Spacer Cable
- Aluminum 600 Volt UD Cable
 - Ruggedized
 - 1350 & 8000 Series
- Aluminum XLP-USE (1350)
- Aluminum USE-2 (8000)
- Aluminum Tie Wire
- Aluminum MV 105 15 & 35KV
- Aluminum URD Cable 15, 25 & 35KV
- OPGW

COPPER PRODUCTS

- Riser Wire/Down Ground/Pole Ground
- Tap Wire
- Jumper Cable 5/15 KV
- EPR/CPE USE Network Underground
- Copper Overhead
- Tracer CCS (Pipeline Tracer Wire)
- 20/10 Control Cable
- Instrumentation Cable
- Tinned & Bare Copper
- Tray Cable THHN, XLPE & EPR
- PV Cable (Copper & Aluminum)
- DLO 2KV
- Connectors (Splice, Term & Lugs)
- XHHW, XLP, USE-2 Copper
- THHN Copper
- Fiber Optic Cable
- Copper MV105 5, 15, 35KV

NON-WIRE PRODUCTS

- Copper and Galvanized Ground Rods & Accessories
- Aluminum Clad Steel Wire (6m, 8m, 10m, 12.5m, 16m, 20m)
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