



**PHASE CONDUCTOR:** AL-PE or XLP

**NEUTRAL CONDUCTOR:** ACSR or ASC or AAAC or ACSR/AW

SELF SUPPORTED DUPLEX CABLE, ALUMINUM CONDUCTOR XLP OR PE INSULATED, WITH NEUTRAL MESSENGER IN ACSR, ACSR/AW, ASC OR AAAC

**DESCRIPTION**

ALUMINUM CONDUCTOR STRANDED, INSULATED WITH BLACK CROSS-LINKED POLYETHYLENE (XLP 90°C) OR BLACK THERMOPLASTIC POLYETHYLENE (PE 75°C). PHASE STRANDED AROUND THE NEUTRAL MESSENGER, WHICH IS CONSTRUCTED OF ACSR, ACSR/AW, ASC OR AAAC.

**STANDARDS**

DUPLEX CABLES ARE MANUFACTURED UNDER ANSI/NEMA S-76-474, NEUTRAL MESSENGER: ACSR ASTM B232, ACSR/AW ASTM B549, ASC ASTM B231 AND AAAC ASTM B399.

**APPLICATIONS**

DUPLEX CABLE IS USED MAINLY FOR OVERHEAD SERVICE APPLICATIONS. OPERATING VOLTAGE: 600V. OPERATING TEMPERATURE: 90°C FOR XLP INSULATION AND 75°C FOR PE INSULATION.

**CATALOG NUMBER:** UPI-DP-S-CCCCCCC where **S** is the cable size and **CCCCCCC** is the code name  
Example: UPI-DP-6-SHEPHERD = Duplex, 6 AWG, 7 strand, 45 mil insulated, 6 AWG ACSR Neutral Messenger

CODE NAME	Phase conductors			Neutral messenger			Weight lb/1000ft	Ampacity	
	Size	Stranding	Insulation Thickness	Size	Al/Steel	Rated Strength		XLP (90 C)	PE (75 C)
	AWG		mils	AWG/kcmil		lbf		A*	A*
<b>NEUTRAL MESSENGER ACSR</b>									
SHEPHERD	6	7	45	6	6/1	1187	76	80	75
RETRIEVER	6	7	60	6	6/1	1187	82	80	75
TERRIER	4	7	45	4	6/1	1868	117	110	100
CHOW	2	7	45	2	6/1	2854	179	150	135
<b>NEUTRAL MESSENGER AAAC</b>									
VIZSLA	6	7	45	30.60	7	1109	69	80	75
WHIPPET	4	7	45	48.70	7	1766	104	110	100
SCHNAUZER	2	7	45	77.50	7	2802	160	150	135
<b>NEUTRAL MESSENGER ACSR/AW</b>									
TERRIER/AW	4	7	45	4	6	1788	114	110	100
CHOW/AW	2	7	45	2	6	2764	174	150	135
<b>NEUTRAL MESSENGER ASC</b>									
COLLIE	6	7	45	6	7	556	65	80	75
COCKER	6	7	60	6	7	556	70	80	75
SPANIEL	4	7	45	4	7	889	98	110	100
CAIRN	4	7	60	4	7	889	105	110	100
DOBERMAN	2	7	45	2	7	1340	150	150	135

Ampacities given are based on conductor temperatures of 75C for PE and 90C for XLP and 30C ambient air temperature.



## NEUTRAL MESSENGER ACSR

**PHASE CONDUCTOR:** AL-PE or XLP  
**NEUTRAL CONDUCTOR:** ACSR

TRIPLEX CABLE, ALUMINUM CONDUCTOR XLP OR PE INSULATED, WITH NEUTRAL MESSENGER IN ACSR.

### DESCRIPTION

TWO PHASE ALUMINUM CONDUCTOR STRANDED, INSULATED WITH BLACK CROSS-LINKED POLYETHYLENE (XLP 90°C) OR BLACK THERMOPLASTIC POLYETHYLENE (PE 75°C). PHASE STRANDED AROUND THE NEUTRAL MESSENGER, WHICH IS CONSTRUCTED OF ACSR. INSULATED PHASES ARE APPROPRIATELY IDENTIFIED.

### STANDARDS

TRIPLEX CABLES ARE MANUFACTURED UNDER ANSI/NEMA S-76-474, NEUTRAL MESSENGER: ACSR ASTM B232.

### APPLICATIONS

TRIPLEX CABLE IS USED MAINLY TO SUPPLY POWER FROM POLE MOUNTED TRANSFORMER TO USER SERVICE HEAD. OPERATING VOLTAGE: 600V. OPERATING TEMPERATURE: 90°C FOR XLP INSULATION AND 75°C FOR PE INSULATION.

**CATALOG NUMBER:** UPI-TP-SS-CCCCCCC where SS is the cable size and CCCCCC is the code name  
Example: UPI-TP-30-SANDDOLLAR = Triplex, 3/0, 19 strand, 60 mil insulated, 1/0 ACSR Neutral Messenger

CODE NAME	Phase conductors			Neutral messenger			Weight lb/1000ft	Ampacity	
	Size	Stranding	Insulation Thickness	Size	Stands Al/Steel	Rated Strength		XLP (90 C)	PE (75 C)
	AWG		mils	AWG/kcmil		lbf	A*	A*	
VOLUTA	6	7	45	6	6/1	1187	117	80	75
PERIWINKLE	4	7	45	4	6/1	1868	176	110	100
CALMA	4	7	60	4	6/1	1868	189	110	100
COCKLE	2	7	45	4	6/1	1868	233	150	135
GEBIA	2	7	60	4	6/1	1868	217	150	135
CONCH	2	7	45	2	6/1	2854	243	150	135
JANTHINA	1/0	7	60	2	6/1	2854	334	205	180
NERITINA	1/0	7	60	1/0	6/1	4353	389	205	180
RUNCINA	2/0	7	60	2/0	6/1	5235	484	235	210
SANDDOLLAR	3/0	19	60	1/0	6/1	4353	515	275	240
CHERRYSTON	3/0	7	60	3/0	6/1	6617	606	275	240
MURSA	3/0	19	60	3/0	6/1	6617	601	275	240
ZUZARA	4/0	19	60	4/0	6/1	8336	751	315	280



## NEUTRAL MESSENGER AAAC

**PHASE CONDUCTOR:** AL-PE or XLP

**NEUTRAL CONDUCTOR:** AAAC

TRIPLEX CABLE, ALUMINUM CONDUCTOR XLP OR PE INSULATED, WITH NEUTRAL MESSENGER IN AAAC

### DESCRIPTION

TWO PHASE ALUMINUM CONDUCTOR STRANDED, INSULATED WITH BLACK CROSS-LINKED POLYETHYLENE (XLP 90°C) OR BLACK THERMOPLASTIC POLYETHYLENE (PE 75°C). PHASE STRANDED AROUND THE NEUTRAL MESSENGER, WHICH IS CONSTRUCTED AAAC. INSULATED PHASES ARE APPROPRIATELY IDENTIFIED.

### STANDARDS

TRIPLEX CABLES ARE MANUFACTURED UNDER ANSI/NEMA S-76-474, NEUTRAL MESSENGER: AAAC ASTM B399.

### APPLICATIONS

TRIPLEX CABLE IS USED MAINLY TO SUPPLY POWER FROM POLE MOUNTED TRANSFORMER TO USER SERVICE HEAD. OPERATING VOLTAGE: 600V. OPERATING TEMPERATURE: 90°C FOR XLP INSULATION AND 75°C FOR PE INSULATION.

**CATALOG NUMBER:** UPI-TP-SS-CCCCCCC where SS is the cable size and CCCCCC is the code name

Example: UPI-TP-2-SHRIMP = Triplex, 2 AWG, 7 strand, 45 mil insulated, 77.5 AWG/kcmil AAAC Neutral Messenger

CODE NAME	Phase conductors			Neutral messenger			Weight	Ampacity	
	Size	Stranding	Insulation Thickness	Size	Strands Al/Steel	Rated Strength		XLP (90 C)	PE (75 C)
	AWG		mils	AWG/kcmil		lbf	lb/1000ft	A*	A*
CABERA	6	7	45	30.6	7	1109	109	80	75
METALIA	4	7	45	48.7	7	1766	164	110	100
SOLASTER	2	7	45	48.7	7	1766	221	150	135
PAG U R U S	2	7	60	48.7	7	1766	205	150	135
SHRIMP	2	7	45	77.5	7	2802	223	150	135
LOBSTER	2	7	60	77.5	7	2802	231	150	135
SANDCRAP	1/0	7	60	77.5	7	2802	315	205	180
GAMMARUS	1/0	7	60	123.3	7	4274	358	205	180
DUNGENESE	2/0	7	60	155.4	7	5378	446	235	210
FULGUR	3/0	19	60	123.3	7	4274	484	275	240
STONECRAB	3/0	7	60	195.7	7	6798	557	275	240
FLUSTRA	3/0	19	60	195.7	7	6798	552	275	240
ARCA	4/0	19	60	155.4	7	5378	604	315	280
LEPAS	4/0	19	60	246.9	7	8564	690	315	280



## NEUTRAL MESSENGER ACSR/AW

**PHASE CONDUCTOR:** AL-PE or XLP

**NEUTRAL CONDUCTOR:** ACSR/AW

TRIPLEX CABLE, ALUMINUM CONDUCTOR XLP OR PE INSULATED, WITH NEUTRAL MESSENGER IN ACSR/AW

### DESCRIPTION

TWO PHASE ALUMINUM CONDUCTOR STRANDED, INSULATED WITH BLACK CROSS-LINKED POLYETHYLENE (XLP 90°C) OR BLACK THERMOPLASTIC POLYETHYLENE (PE 75°C). PHASE STRANDED AROUND THE NEUTRAL MESSENGER, WHICH IS CONSTRUCTED OF ACSR/AW. INSULATED PHASES ARE APPROPRIATELY IDENTIFIED.

### STANDARDS

TRIPLEX CABLES ARE MANUFACTURED UNDER ANSI/NEMA S-76-474, NEUTRAL MESSENGER: ACSR/AW ASTM B549.

### APPLICATIONS

TRIPLEX CABLE IS USED MAINLY TO SUPPLY POWER FROM POLE MOUNTED TRANSFORMER TO USER SERVICE HEAD. OPERATING VOLTAGE: 600V. OPERATING TEMPERATURE: 90°C FOR XLP INSULATION AND 75°C FOR PE INSULATION.

**CATALOG NUMBER:** UPI-TP-SS-CCCCCCC where **SS** is the cable size and **CCCCCCC** is the code name

Example: UPI-TP-2-CONCH/AW = Triplex, 2 AWG, 7 strand, 45 mil insulated, 2 AWG ACSR/AW Neutral Messenger

CODE NAME	Phase conductors			Neutral messenger			Weight lb/1000ft	Ampacity	
	Size	Stranding	Insulation Thickness	Size	Stands Al/Steel	Rated Strength		XLP (90 C)	PE (75 C)
	AWG		mils	AWG/kcmil		lbf	A*	A*	
PERIWINKLE/AW	4	7	45	4	6/1	1785	173	110	100
CALMA/AW	4	7	60	4	6/1	1785	186	110	100
COCKLE/AW	2	7	45	4	6/1	1785	230	150	135
GEBIA/AW	2	7	60	4	6/1	1785	214	150	135
CONCH/AW	2	7	45	2	6/1	2768	238	150	135
JANTHINA/AW	1/0	7	60	2	6/1	2768	330	205	180
NERITINAJAW	1/0	7	60	1/0	6/1	4225	382	205	180
RUNCINA/AW	2/0	7	60	2/0	6/1	5078	476	235	210
SANDDOLLAR/AW	3/0	19	60	1/0	8/1	4225	508	275	240
CHERRYSTON/AW	3/0	7	60	3/0	6/1	6296	594	275	240
MURSIA/AW	3/0	19	60	3/0	6/1	6296	590	275	240
ZUZAR/VAW	4/0	19	60	4/0	6/1	7680	737	315	280



## NEUTRAL MESSENGER ASC

**PHASE CONDUCTOR:** AL-PE or XLP

**NEUTRAL CONDUCTOR:** ASC

TRIPLEX CABLE, ALUMINUM CONDUCTOR XLP OR PE INSULATED, WITH NEUTRAL MESSENGER IN ASC

### DESCRIPTION

TWO PHASE ALUMINUM CONDUCTOR STRANDED, INSULATED WITH BLACK CROSS-LINKED POLYETHYLENE (XLP 90°C) OR BLACK THERMOPLASTIC POLYETHYLENE (PE 75°C). PHASE STRANDED AROUND THE NEUTRAL MESSENGER, WHICH IS CONSTRUCTED OF ASC. INSULATED PHASES ARE APPROPRIATELY IDENTIFIED.

### STANDARDS

TRIPLEX CABLES ARE MANUFACTURED UNDER ANSI/NEMA S-76-474, NEUTRAL MESSENGER: ASC ASTM B231.

### APPLICATIONS

TRIPLEX CABLE IS USED MAINLY TO SUPPLY POWER FROM POLE MOUNTED TRANSFORMER TO USER SERVICE HEAD. OPERATING VOLTAGE: 600V. OPERATING TEMPERATURE: 90°C FOR XLP INSULATION AND 75°C FOR PE INSULATION.

**CATALOG NUMBER:** UPI-TP-SS-CCCCCC where SS is the cable size and CCCCCC is the code name

Example: UPI-TP-4-ARGO = Triplex, 4 AWG, 7 strand, 60 mil insulated, 4 AWG ASC Neutral Messenger

CODE NAME	Phase conductors			Neutral messenger			Weight	Ampacity	
	Size	Stranding	Insulation Thickness	Size	Stands Al/Steel	Rated Strength		XLP (90 C)	PE (75 C)
	AWG		mils	AWG/kcmil		lbf	lb/1000ft	A*	A*
PATELLA	6	7	45	6	7	556	105	80	75
ALBUS	6	7	60	6	7	556	117	80	75
OYSTER	4	7	45	4	7	889	157	110	100
ARGO	4	7	60	4	7	889	171	110	100
MUSSEL	2	7	45	4	7	889	214	150	135
CLAM	2	7	45	2	7	1340	237	150	135
THIA	2	7	60	2	7	1340	253	150	135
PURPURA	1/0	19	60	1/0	7	1965	377	205	180
NASSA	2/0	7	60	2/0	7	2473	471	235	210
TROPHON	2/0	19	60	2/0	7	2473	465	235	210
QUAHOG	3/0	7	80	3/0	7	3026	615	275	240
IONE	3/0	19	80	3/0	7	3026	606	275	240
APUS	4/0	19	60	4/0	7	3827	712	315	280



## NEUTRAL MESSENGER ACSR

**PHASE CONDUCTOR:** AL-PE or XLP

**NEUTRAL CONDUCTOR:** ACSR

QUADRUPLEX CABLE, ALUMINUM CONDUCTOR XLP OR PE INSULATED, WITH NEUTRAL MESSENGER IN ACSR.

### DESCRIPTION

THREE PHASE ALUMINUM CONDUCTOR STRANDED, INSULATED WITH BLACK CROSS-LINKED POLYETHYLENE (XLP 90°C) OR BLACK THERMOPLASTIC POLYETHYLENE (PE 75°C). PHASE STRANDED AROUND THE NEUTRAL MESSENGER, WHICH IS CONSTRUCTED OF ACSR. INSULATED PHASES ARE APPROPRIATELY IDENTIFIED.

### STANDARDS

QUADRUPLEX CABLES ARE MANUFACTURED UNDER ANSI/NEMA S-76-474, NEUTRAL MESSENGER: ACSR ASTM B232.

### APPLICATIONS

QUADRUPLEX CABLE IS USED MAINLY TO SUPPLY THREE PHASE POWER FROM POLE MOUNTED TRANSFORMER TO USER SERVICE HEAD. OPERATING VOLTAGE: 600V. OPERATING TEMPERATURE: 90°C FOR XLP INSULATION AND 75°C FOR PE INSULATION..

**CATALOG NUMBER:** UPI-QP-SS-CCCCCCC where SS is the cable size and CCCCCC is the code name

Example: UPI-QP-20-FLEMISH = Quadruplex, 2/0, 7 strand, 60 mil insulated, 1/0 ACSR Neutral Messenger

CODE NAME	Phase conductors			Neutral messenger			Weight	Ampacity	
	Size	Stranding	Insulation Thickness	Size	Stands Al/Steel	Rated Strength		XLP (90 C)	PE (75 C)
	AWG		mils	AWG/kcmil		lbf	lb/1000ft	A*	A*
HACKNEY	4	7	45	4	6/1	1864	155	110	100
YEARLING	2	7	45	4	6/1	1864	193	150	135
PALOMINO	2	7	45	2	6/1	2854	227	150	135
COSTENA	1/0	19	60	1/0	6/1	4353	361	205	180
FLEMISH	2/0	7	60	1/0	6/1	4353	411	235	210
HAFLINGER	2/0	19	60	1/0	6/1	4353	400	235	210
GRULLO	2/0	19	60	2/0	6/1	5235	438	235	210
SUFFOLK	3/0	19	60	3/0	6/1	6608	535	275	240
FILLY	4/0	19	60	2/0	6/1	5235	547	315	280
APPALOOSA	4/0	19	60	4/0	6/1	8336	655	315	280



## NEUTRAL MESSENGER AAAC

**PHASE CONDUCTOR:** AL-PE or XLP  
**NEUTRAL CONDUCTOR:** AAAC

QUADRUPLEX CABLE, ALUMINUM CONDUCTOR XLP OR PE INSULATED, WITH NEUTRAL MESSENGER IN AAAC

### DESCRIPTION

THREE PHASE ALUMINUM CONDUCTOR STRANDED, INSULATED WITH BLACK CROSS-LINKED POLYETHYLENE (XLP 90°C) OR BLACK THERMOPLASTIC POLYETHYLENE (PE 75°C). PHASE STRANDED AROUND THE NEUTRAL MESSENGER, WHICH IS CONSTRUCTED AAAC. INSULATED PHASES ARE APPROPRIATELY IDENTIFIED.

### STANDARDS

QUADRUPLEX CABLES ARE MANUFACTURED UNDER ANSI/NEMA S-76-474, NEUTRAL MESSENGER: AAAC ASTM B399.

### APPLICATIONS

QUADRUPLEX CABLE IS USED MAINLY TO SUPPLY THREE PHASE POWER FROM POLE MOUNTED TRANSFORMER TO USER SERVICE HEAD. OPERATING VOLTAGE: 600V. OPERATING TEMPERATURE: 90°C FOR XLP INSULATION AND 75°C FOR PE INSULATION.

**CATALOG NUMBER:** UPI-QP-SS-CCCCCCC where **SS** is the cable size and **CCCCCCC** is the code name  
Example: UPI-QP-20-CELTIC = Quadruplex, 2/0, 7 strand, 60 mil insulated, 123.3 AWG/kcmil AAAC Neutral Messenger

CODE NAME	Phase conductors			Neutral messenger			Weight lb/1000ft	Ampacity	
	Size	Stranding	Insulation Thickness	Size	Stands Al/Steel	Rated Strength		XLP (90 C)	PE (75 C)
	AWG		mils	AWG/kcmil		lbf	A*	A*	
ARABIAN	4	7	45	48.7	7	1763	141	110	100
TARPAN	2	7	45	48.7	7	1763	180	150	135
BELGIAN	2	7	45	77.5	7	2802	206	150	135
PLOW	1/0	19	60	123.3	7	4274	326	205	180
CELTIC	2/0	7	60	123.3	7	4274	377	235	210
NORMAN	2/0	19	60	123.3	7	4274	366	235	210
THOROUGHbred	2/0	19	60	155.4	7	5378	395	235	210
TROTTER	3/0	19	60	195.7	7	6789	481	275	240
SKYROS	4/0	19	60	155.4	7	5378	504	315	280
WALKING	4/0	19	60	246.9	7	8564	587	315	280



## NEUTRAL MESSENGER ACSR/AW

**PHASE CONDUCTOR:** AL-PE or XLP

**NEUTRAL CONDUCTOR:** ACSR/AW

QUADRUPLEX CABLE, ALUMINUM CONDUCTOR XLP OR PE INSULATED, WITH NEUTRAL MESSENGER IN ACSR/AW

### DESCRIPTION

THREE PHASE ALUMINUM CONDUCTOR STRANDED, INSULATED WITH BLACK CROSS-LINKED POLYETHYLENE (XLP 90°C) OR BLACK THERMOPLASTIC POLYETHYLENE (PE 75°C). PHASE STRANDED AROUND THE NEUTRAL MESSENGER, WHICH IS CONSTRUCTED OF ACSR/AW. INSULATED PHASES ARE APPROPRIATELY IDENTIFIED.

### STANDARDS

QUADRUPLEX CABLES ARE MANUFACTURED UNDER ANSI/NEMA S-76-474, NEUTRAL MESSENGER: ACSR/AW ASTM B549.

### APPLICATIONS

QUADRUPLEX CABLE IS USED MAINLY TO SUPPLY THREE PHASE POWER FROM POLE MOUNTED TRANSFORMER TO USER SERVICE HEAD. OPERATING VOLTAGE: 600V. OPERATING TEMPERATURE: 90°C FOR XLP INSULATION AND 75°C FOR PE INSULATION.

**CATALOG NUMBER:** UPI-QP-SS-CCCCCC where SS is the cable size and CCCCCC is the code name

Example: UPI-QP-20-FLEMISH/AW = Quadruplex, 2/0, 7 strand, 60 mil insulated, 1/0 ACSR/AW Neutral Messenger

CODE NAME	Phase conductors			Neutral messenger			Weight	Ampacity	
	Size	Stranding	Insulation Thickness	Size	Strands	Rated Strength		XLP (90 C)	PE (75 C)
	AWG		mils	AWG/kcmil	Al/Steel	lbf	lb/1000ft	A*	A*
HACKNEY/AW	4	7	45	4	6/1	1785	232	110	100
YEARLINGIAW	2	7	45	4	6/1	1785	318	150	135
PALOMINO/AW	2	7	45	2	6/1	2764	227	150	135
COSTENAIW	1/0	19	60	1/0	6/1	4222	285	205	180
FLEMISH/AW	2/0	7	60	1/0	6/1	4222	319	235	210
HAFLINGERIAW	2/0	19	60	1/0	6/1	4222	316	235	210
GRULLO/AW	2/0	19	60	2/0	6/1	5072	353	235	210
SUFFOLK]AW	3/0	19	60	3/0	6/1	6296	440	275	240
FILLY/AW	4/0	19	60	2/0	6/1	5072	440	315	280
APPALOOSIAW	4/0	19	60	4/0	6/1	7680	548	315	280



## NEUTRAL MESSENGER ASC

**PHASE CONDUCTOR:** AL-PE or XLP  
**NEUTRAL CONDUCTOR:** ASC

QUADRUPLEX CABLE, ALUMINUM CONDUCTOR XLP OR PE INSULATED, WITH NEUTRAL MESSENGER IN ASC

### DESCRIPTION

THREE PHASE ALUMINUM CONDUCTOR STRANDED, INSULATED WITH BLACK CROSS-LINKED POLYETHYLENE (XLP 90°C) OR BLACK THERMOPLASTIC POLYETHYLENE (PE 75°C). PHASE STRANDED AROUND THE NEUTRAL MESSENGER, WHICH IS CONSTRUCTED OF ASC. INSULATED PHASES ARE APPROPRIATELY IDENTIFIED.

### STANDARDS

QUADRUPLEX CABLES ARE MANUFACTURED UNDER ANSI/NEMA S-76-474, NEUTRAL MESSENGER: ASC ASTM B231.

### APPLICATIONS

QUADRUPLEX CABLE IS USED MAINLY TO SUPPLY THREE PHASE POWER FROM POLE MOUNTED TRANSFORMER TO USER SERVICE HEAD. OPERATING VOLTAGE: 600V. OPERATING TEMPERATURE: 90°C FOR XLP INSULATION AND 75°C FOR PE INSULATION.

**CATALOG NUMBER:** UPI-QP-SS-CCCCCC where **SS** is the cable size and **CCCCCC** is the code name  
Example: UPI-QP-2-MUSTANG = Quadruplex, 2 AWG, 7 strand, 45 mil insulated, 2 AWG ASC Neutral Messenger

CODE NAME	Phase conductors			Neutral messenger			Weight	Ampacity	
	Size	Stranding	Insulation Thickness	Size	Strands	Rated Strength		XLP (90 C)	PE (75 C)
	AWG		mils	AWG/kcmil	Al/Steel	lbf	lb/1000ft	A*	A*
PINTO	4	7	45	4	7	889	136	110	100
MUSTANG	2	7	45	2	7	1524	208	150	135
CRIOLLO	1/0	19	60	1/0	7	2292	331	205	180
PERCHERON	2/0	19	60	2/0	7	2799	400	235	210
HANOVERIAN	3/0	19	60	3/0	19	3406	462	275	240
OLDENBURG	4/0	19	60	4/0	19	4166	562	315	280



## AAAC 6201

ALL ALUMINUM ALLOY CONDUCTOR 6201 T81

### DESCRIPTION

ALUMINUM-ALLOY 6201 T81 WIRES, CONCENTRICALLY STRANDED.

### STANDARDS

AAAC CABLES ARE MANUFACTURED UNDER ASTM 6-399, CONCENTRIC LAY STRANDED, 6201 T81 ALUMINUM ALLOY CONDUCTORS (AAAC) STANDARD.

### APPLICATIONS

USED AS OVERHEAD CONDUCTOR IN TRANSMISSION AND DISTRIBUTION LINES. AAAC CABLES HAVE A VERY GOOD STRENGTH / WEIGHT RATIO, THUS AAAC CABLES ARE USEFUL WHERE LINE DESIGN HAS SAG CONSIDERATIONS. AAAC CABLE PRESENTS A VERY GOOD RESISTANCE TO CORROSION.

Code Word	CONDUCTOR SIZE			STRANDS		CABLE Diameter mils	WEIGHT lb/1000ft	RATED Strength lb	Resistance DC 20°C ohm/1000ft	AMPACITY		
	kcmil	ACSR OD.Equiv	mm2	No	Diameter mils					Sun No Wind	Sun Wind	No Sun Wind
Akron	30.58	6	15.50	7	66.10	198	28.60	1107	0.659	62	107	111
Alton	48.69	4	24.67	7	83.40	250	45.50	1762	0.414	85	143	150
Ames	77.47	2	39.25	7	105.20	316	72.40	2804	0.260	117	191	201
Azusa	123.30	1/0	62.46	7	132.70	398	115.20	4275	0.164	161	256	271
Anaheim	155.40	2/0	78.75	7	149.00	447	145.20	5390	0.130	189	296	315
Amherst	195.70	3/0	99.16	7	167.20	502	182.80	6787	0.103	222	342	365
Alliance	246.90	4/0	125.10	7	187.80	563	230.70	8563	0.082	261	395	424
Butte	312.80	266.80	158.50	19	128.30	642	292.20	10508	0.064	308	460	495
Canton	394.50	336.40	199.90	19	144.10	721	368.60	13256	0.051	361	532	575
Cairo	465.40	397.50	235.80	19	156.50	783	434.80	15636	0.043	405	590	640
Darien	559.50	477.00	283.50	19	171.60	858	522.80	18798	0.036	460	663	720
Elgin	652.40	556.50	330.60	19	185.30	927	609.60	21920	0.031	511	729	795
Flint	740.80	636.00	375.40	37	141.50	991	692.20	24356	0.027	558	790	863
Greeley	927.20	795.00	469.80	37	158.30	1108	866.30	30483	0.022	649	908	996
—	1077.40	954.00	545.90	61	132.90	1196	1006.70	35032	0.019	725	1003	104
—	1165.10	1033.50	590.30	61	138.20	1244	1088.60	37882	0.017	767	1055	162
—	1259.60	1113.00	638.30	61	143.70	1293	1176.90	40958	0.016	811	1109	224
—	1348.80	1192.50	683.50	61	148.70	1338	1260.30	43857	0.015	851	1159	281
—	1439.20	1272.00	729.20	61	153.60	1382	1344.70	46795	0.014	892	1209	338



## ACSR 1350

ALL ALUMINUM CONDUCTOR STEEL REINFORCED 1350 H19

### DESCRIPTION

ALUMINUM 1350 H19 WIRE, CONCENTRICALLY STRANDED ABOUT A STEEL CORE.

### STANDARDS

ACSR CABLES ARE MANUFACTURED UNDER ASTM B-232, ALUMINUM CONDUCTORS 1350 H19, CONCENTRIC LAY STRANDED, COATED STEEL REINFORCED (ACSR) STANDARD.

### APPLICATIONS

USED AS BARE OVERHEAD TRANSMISSION CABLE AND AS PRIMARY AND SECONDARY DISTRIBUTION CABLE. ACSR OFFERS OPTIMAL STRENGTH FOR LINE DESIGN. VARIABLE STEEL CORE STRANDING ENABLES DESIRED STRENGTH TO BE ACIEVED WITHOUT SACRIFICING AMPACITY.

Code Word	Size	Strand- ing (Al/Stl)	Individual Wires Diameter (inches)				Weight per 1000 ft			Content - %		Rated Strength (Lbs.)	Resistance		Am- pacity (Amps)
	(AWG or KCM)		Al	Stl	Core	Com- Cable	Al	Stl	Total	Al	Stl		OHMS/1000 Feet		
													DC @ 20	AC @50	
Turkey	8	6/1	0.0661	0.0661	0.0661	0.1980	24.5	11.6	36.1	67.90	32.10	1,190	0.6460	0.7360	105
Swan	4	6/1	0.0834	0.0834	0.0834	0.2500	39.0	18.4	57.4	67.90	32.10	1,860	0.4060	0.4680	135
Swanate	4	7/1	0.0772	0.1029	0.1029	0.2570	39.0	28.0	67.0	58.13	41.87	2,360	0.4020	0.4670	135
Sparrow	2	6/1	0.1052	0.1052	0.1052	0.3160	62.0	29.3	91.3	67.90	32.10	2,850	0.2560	0.3000	180
Sparate	2	7/1	0.0974	0.1299	0.1299	0.3250	62.0	44.7	106.7	58.13	41.87	3,460	0.2530	0.3010	180
Robin	1	6/1	0.1181	0.1182	0.1182	0.3550	78.2	37.0	115.2	67.90	32.10	3,550	0.2030	0.2410	205
Raven	1/0	6/1	0.1327	0.1327	0.1327	0.3980	98.6	46.6	145.2	67.90	32.10	4,380	0.1610	0.1960	235
Quail	2/0	6/1	0.1489	0.1489	0.1489	0.4470	124.3	58.8	183.1	67.90	32.10	5,310	0.1270	0.1590	270
Pigeon	3/0	6/1	0.1672	0.1672	0.1672	0.5020	156.8	74.1	230.9	67.90	32.10	6,620	0.1010	0.1300	310
Penguin	4/0	6/1	0.1878	0.1878	0.1878	0.5630	197.7	93.4	291.1	67.90	32.10	8,350	0.0801	0.1080	350
Waxwing	266.80	18/1	0.1217	0.1217	0.1217	0.6090	250.4	39.3	290.0	86.45	13.55	6,880	0.0645	0.0726	440
Partridge	266.80	26/7	0.1013	0.0788	0.2364	0.6420	251.7	115.6	367.0	68.53	31.47	11,300	0.0636	0.0715	450
Ostrich	300.00	26/7	0.1074	0.0835	0.2505	0.6800	283.0	129.9	413.0	68.53	31.47	12,700	0.0566	0.0636	480
Merlin	336.40	18/1	0.1367	0.1367	0.1367	0.6840	315.8	49.5	365.0	86.45	13.55	8,680	0.0512	0.0577	510
Linnet	336.40	26/7	0.1137	0.0884	0.2652	0.7200	317.3	145.7	463.0	68.53	31.47	14,100	0.0505	0.0568	520
Oriole	336.40	30/7	0.1059	0.1059	0.3177	0.7410	318.1	209.0	527.0	60.35	39.65	17,300	0.0500	0.0562	520
Chickadee	397.50	18/1	0.1486	0.1486	0.1486	0.7430	372.5	58.5	431.0	86.45	13.55	9,940	0.0433	0.0490	560
Bract	397.50	24/7	0.1287	0.0858	0.2574	0.7720	374.9	137.1	512.0	73.23	26.77	14,600	0.0429	0.0484	570
Ibis	397.50	26/7	0.1236	0.0961	0.2883	0.7830	375.0	172.2	547.0	68.53	31.47	16,300	0.0427	0.0481	570
Lark	397.50	30/7	0.1151	0.1151	0.3453	0.8060	375.9	246.9	623.0	60.35	39.65	20,300	0.0423	0.0476	580
Pelican	477.00	18/1	0.1628	0.1628	0.1628	0.8140	447.8	70.2	518.0	86.45	13.55	11,800	0.0361	0.0409	630
Flicker	477.00	24/7	0.1410	0.0940	0.2820	0.8460	450.0	164.5	615.0	73.23	26.77	17,200	0.0357	0.0404	640
Hawk	477.00	26/7	0.1354	0.1053	0.3159	0.8580	450.0	206.8	657.0	68.53	31.47	19,500	0.0356	0.0402	640
Hen	477.00	30/7	0.1261	0.1261	0.3783	0.8830	451.0	296.3	747.0	60.35	39.65	23,800	0.0353	0.0398	650
Osprey	556.50	18/1	0.1758	0.1758	0.1758	0.8790	522.0	82.0	604.0	86.45	13.55	13,700	0.0309	0.0350	690
Parakeet	556.50	24/7	0.1523	0.1015	0.3045	0.9140	525.0	192.0	717.0	73.23	26.77	19,800	0.0306	0.0347	700
Dove	556.50	26/7	0.1463	0.1138	0.3414	0.9270	525.0	241.0	766.0	68.53	31.47	22,600	0.0305	0.0346	710
Eagle	556.50	30/7	0.1362	0.1362	0.4086	0.9530	526.0	346.0	872.0	60.35	39.65	27,800	0.0302	0.0342	720
Peacock	605.00	24/7	0.1588	0.1059	0.3177	0.9530	571.0	208.0	779.0	73.23	26.77	21,600	0.0282	0.0320	740
Squab	605.00	26/7	0.1525	0.1186	0.3558	0.9660	571.0	262.0	833.0	68.53	31.47	24,300	0.0281	0.0318	750
Wood Duck	605.00	30/7	0.1420	0.1420	0.4260	0.9940	572.0	376.0	948.0	60.35	39.55	28,900	0.0278	0.0343	760
Teal	605.00	30/19	0.1420	0.0852	0.4260	0.9940	572.0	367.0	939.0	60.89	39.11	30,000	0.0278	0.0315	760

# ACSR 1350 CABLE

(CONTINUED)



## ACSR 1350

ALL ALUMINUM CONDUCTOR STEEL REINFORCED 1350 H19

### DESCRIPTION

ALUMINUM 1350 H19 WIRE, CONCENTRICALLY STRANDED ABOUT A STEEL CORE.

### STANDARDS

ACSR CABLES ARE MANUFACTURED UNDER ASTM B-232, ALUMINUM CONDUCTORS 1350 H19, CONCENTRIC LAY STRANDED, COATED STEEL REINFORCED (ACSR) STANDARD.

### APPLICATIONS

USED AS BARE OVERHEAD TRANSMISSION CABLE AND AS PRIMARY AND SECONDARY DISTRIBUTION CABLE. ACSR OFFERS OPTIMAL STRENGTH FOR LINE DESIGN. VARIABLE STEEL CORE STRANDING ENABLES DESIRED STRENGTH TO BE ACIEVED WITHOUT SACRIFICING AMPACITY.

Code Word	Size	Strand- ing (Al/Stl)	Individual Wires Diameter (inches)				Weight per 1000 ft			Content - %		Rated Strength (Lbs.)	Resistance OHMS/1000 Feet		Am- pacity (Amps)
	(AWG or KCM)		Al	Stl	Steel Core	Com- Cable	Al	Stl	Total	Al	Stl		DC @ 20	AC @50	
Kingbird	636.00	18/1	0.1880	0.1880	0.1880	0.9400	597.0	94.0	691.0	86.45	13.55	15,700	0.0271	0.0310	750
Swift	636.00	36/1	0.1329	0.1329	0.1329	0.9300	597.0	47.0	644.0	92.80	7.20	13,690	0.0272	0.0312	750
Rook	636.00	24/7	0.1628	0.1085	0.3255	0.9780	600.0	219.0	819.0	73.23	26.77	22,000	0.0268	0.0305	760
Grosbeak	636.00	26/7	0.1564	0.1216	0.3648	0.9900	600.0	275.0	875.0	68.53	31.47	25,200	0.0267	0.0303	770
Scoter	636.00	30/7	0.1456	0.1456	0.4368	1.0190	601.0	395.0	996.0	60.35	39.55	30,400	0.0264	0.0300	780
Egret	636.00	30/19	0.1456	0.0874	0.4370	1.0190	601.0	387.0	988.0	60.89	39.11	31,500	0.0265	0.0300	780
Flamingo	666.60	24/7	0.1667	0.1111	0.3333	1.0000	629.0	230.0	859.0	73.23	26.77	23,700	0.0256	0.0256	790
Gannet	666.60	26/7	0.1601	0.1245	0.3735	1.0140	628.0	289.0	917.0	68.53	31.47	26,400	0.0255	0.0290	790
Stilt	715.50	24/7	0.1727	0.1151	0.3453	1.0360	675.0	247.0	922.0	73.23	26.77	25,500	0.0238	0.0272	820
Starling	715.50	26/7	0.1659	0.1290	0.3870	1.0510	675.0	310.0	985.0	68.53	31.47	28,400	0.0237	0.0271	830
Redwing	715.50	30/19	0.1544	0.0926	0.4630	1.0810	676.0	435.0	1111.0	60.89	39.11	34,600	0.0235	0.0267	840
Coot	795.00	36/1	0.1486	0.1486	0.1486	1.0400	747.0	58.0	805.0	92.80	7.20	16,710	0.0217	0.0253	850
Cuckoo	795.00	24/7	0.1820	0.1213	0.3639	1.0920	749.0	274.0	1024.0	73.23	26.77	27,900	0.0214	0.0246	880
Drake	795.00	26/7	0.1749	0.1360	0.4080	1.1080	750.0	344.0	1094.0	68.53	31.47	31,500	0.0213	0.0245	880
Tern	795.00	45/7	0.1329	0.0886	0.2658	1.0630	750.0	146.0	896.0	83.69	16.31	22,100	0.0216	0.0250	860
Condor	795.00	54/7	0.1213	0.1213	0.3639	1.0920	750.0	274.0	1023.0	73.25	26.75	28,200	0.0214	0.0246	880
Mallard	795.00	30/19	0.1628	0.0977	0.4885	1.1400	752.0	483.0	1235.0	60.89	39.11	38,400	0.0212	0.0242	900
Ruddy	900.00	45/7	0.1414	0.0943	0.2829	1.1310	849.0	166.0	1015.0	83.69	16.31	24,400	0.0191	0.0222	930
Canary	900.00	54/7	0.1291	0.1291	0.3873	1.1620	849.0	310.0	1159.0	73.25	26.75	31,900	0.0189	0.0219	950
Rail	954.00	45/7	0.1456	0.0971	0.2913	1.1650	900.0	175.0	1075.0	83.69	16.31	25,900	0.0180	0.0211	970
Cardinal	954.00	54/7	0.1329	0.1329	0.3987	1.1960	900.0	329.0	1229.0	73.25	26.75	33,800	0.0179	0.0207	980
Ortolan	1033.50	45/7	0.1515	0.1010	0.3030	1.2120	975.0	190.0	1165.0	83.69	16.31	27,700	0.0166	0.0196	1020
Curlew	1033.50	54/7	0.1383	0.1383	0.4149	1.2460	975.0	356.0	1331.0	73.25	26.75	36,600	0.0165	0.0192	1030
Bluejay	1113.00	45/7	0.1573	0.1049	0.3147	1.259	1050	205	1255	83.69	16.31	29,800	0.0154	0.0183	1060
Finch	1113.00	54/19	0.1436	0.0862	0.4310	1.293	1055	376	1431	73.75	26.75	39,100	0.0153	0.0180	1080
Bunting	1192.50	45/7	0.1628	0.1085	0.3255	1.302	1125	219	1344	83.69	16.31	32,000	0.0144	0.0172	1110
Grackle	1192.50	54/19	0.1486	0.0892	0.4460	1.333	1130	403	1533	73.75	26.25	41,900	0.0143	0.0169	1130
Bittern	1272.00	45/7	0.1681	0.1121	0.3363	1.345	1200	234	1434	83.69	16.31	34,100	0.0135	0.0163	1150
Pheasant	1272.00	54/19	0.1535	0.0921	0.4605	1.382	1206	429	1635	73.75	26.25	43,600	0.0134	0.0159	1170
Dipper	1351.50	45/7	0.1733	0.1155	0.3465	1.386	1275	247	1522	83.69	16.31	36,200	0.0127	0.0154	1190
Martin	1351.50	54/19	0.1582	0.0949	0.4745	1.424	1281	456	1737	73.75	26.25	46,300	0.0126	0.0151	1210

# ACSR 1350 CABLE

(CONTINUED)



## ACSR 1350

ALL ALUMINUM CONDUCTOR STEEL REINFORCED 1350 H19

### DESCRIPTION

ALUMINUM 1350 H19 WIRE, CONCENTRICALLY STRANDED ABOUT A STEEL CORE.

### STANDARDS

ACSR CABLES ARE MANUFACTURED UNDER ASTM B-232, ALUMINUM CONDUCTORS 1350 H19, CONCENTRIC LAY STRANDED, COATED STEEL REINFORCED (ACSR) STANDARD.

### APPLICATIONS

USED AS BARE OVERHEAD TRANSMISSION CABLE AND AS PRIMARY AND SECONDARY DISTRIBUTION CABLE. ACSR OFFERS OPTIMAL STRENGTH FOR LINE DESIGN. VARIABLE STEEL CORE STRANDING ENABLES DESIRED STRENGTH TO BE ACIEVED WITHOUT SACRIFICING AMPACITY.

Code Word	Size	Strand- ing	Individual Wires Diameter (inches)				Weight per 1000 ft			Content - %		Rated Strength (Lbs.)	Resistance		Am- pacity (Amps)
	(AWG or KCM)		(Al/Stl)	Al	Stl	Core	Com- Cable	Al	Stl	Total	Al		Stl	OHMS/1000 Feet	
													DC @ 20	AC @50	
Bobolink	1431.00	45/7	0.1783	0.1189	0.3567	1.427	1350	263	1613	83.69	16.31	38,300	0.0120	0.0147	1230
Plover	1431.00	54/19	0.1628	0.0977	0.4885	1.465	1357	483	1840	73.75	26.25	49,100	0.0119	0.0144	1260
Nuthatch	1510.50	45/7	0.1832	0.1221	0.3663	1.466	1425	277	1702	83.69	16.31	40,000	0.0114	0.0141	1270
Parrot	1510.50	54/19	0.1672	0.1003	0.5015	1.505	1432	510	1942	73.75	26.25	51,700	0.0113	0.0137	1300
Lapwing	1590.00	45/7	0.1880	0.1253	0.3759	1.504	1500	292	1792	83.69	16.31	42,200	0.0108	0.0135	1310
Falcon	1590.00	54/19	0.1716	0.1030	0.5150	1.545	1507	537	2044	73.75	26.25	54,500	0.0107	0.0131	1340
Chukar	1780.00	84/19	0.1456	0.0874	0.4370	1.602	1687	387	2074	81.30	18.70	51,000	0.00964	0.0122	1340
Bluebird	2156.00	84/19	0.1602	0.096	0.4805	1.762	2044	468	2512	81.30	18.70	60,300	0.00796	0.0106	1550
Kiwi	2167.00	72/7	0.1735	0.116	0.3471	1.735	2054	249	2303	89.20	10.80	49,800	0.00796	0.0108	1520
Grouse	80.00	8/1	0.1000	0.1670	0.1670	0.367	75.1	73.9	149	50.56	49.44	5,200	0.207	0.256	200
Petrel	101.80	12/7	0.0921	0.0921	0.2763	0.461	96.0	158.0	254	37.79	62.21	10,400	0.159	0.205	235
Minorca	110.80	12/7	0.0961	0.0961	0.2883	0.481	104.5	172.1	277	37.79	62.21	11,300	0.146	0.191	245
Leghorn	134.60	12/7	0.1059	0.1059	0.3177	0.530	127.0	208.9	336	37.79	62.21	13,600	0.120	0.162	275
Guinea	159.00	12/7	0.1151	0.1151	0.3453	0.576	150.0	246.8	397	37.79	62.21	16,000	0.102	0.142	300
Dotterel	176.90	12/7	0.1214	0.1214	0.3642	0.607	166.9	274.6	442	37.79	62.21	17,300	0.0915	0.131	315
Dorking	190.80	12/7	0.1261	0.1261	0.3783	0.631	180.0	296.3	476	37.79	62.21	18,700	0.0848	0.123	325
Brahma	203.20	16/19	0.1127	0.0977	0.4885	0.714	191.7	485.0	677	28.33	71.67	20,700	0.0768	0.115	345
Cochin	211.30	12/7	0.1327	0.1327	0.3981	0.664	199.3	328.2	528	37.79	62.21	28,400	0.0766	0.114	340



## AAC 1350

ALL ALUMINUM CONDUCTOR 1350-H19

### DESCRIPTION

ALUMINUM-1350-H19 WIRES, CONCENTRICALLY STRANDED.

### STANDARDS

AAC CABLES ARE MANUFACTURED UNDER ASTM B-231, CONCENTRIC LAY STRANDED, 1350-H19 ALUMINUM CONDUCTORS (AAC) STANDARD.

### APPLICATIONS

USED AS OVERHEAD CONDUCTOR IN TRANSMISSION AND PRIMARY AND SECONDARY DISTRIBUTION LINES, WHERE AMPACITY MUST BE MAINTAINED AND LIGHTER CONDUCTOR (VERSUS ACSR) IS DESIRED. AAC CABLES HAVE LESS MECHANICAL STRENGTH THAN ACSR.

Code Word	Size (AWG or KCM)	Stranding		Diameter (Inches)		Cross Sectional Area (sq. Inches)	Weight per 1000 Feet	Rated Strength (lbs)	Resistance OHMS/1000 ft		Ampacity
		No of Wires	Class	Individual Wires	Complete Cable				DC @ 20 C	AC @ 50 C	
Peachball	6	7	A	0.061	0.1840	0.0206	24.60	563	0.6610	0.7410	100
Rose	4	7	A	0.077	0.2320	0.0328	39.20	881	0.4160	0.4660	135
Iris	2	7	AA,A	0.097	0.2920	0.0521	62.30	1,350	0.2610	0.2930	180
Pansy	1	7	AA,A	0.109	0.3280	0.0657	78.50	1,640	0.2070	0.2320	210
Poppy	1/0	7	AA,A	0.123	0.3680	0.0829	99.10	1,990	0.1640	0.1840	240
Aster	2/0	7	AA,A	0.138	0.4140	0.1045	124.90	2,510	0.1300	0.1460	280
Phlox	3/0	7	AA,A	0.155	0.4640	0.1318	157.50	3,040	0.1030	0.1160	325
Oxlip	4/0	7	AA,A	0.174	0.5220	0.1662	198.60	3,830	0.0819	0.0919	375
Sneezewort	250	7	A	0.189	0.5670	0.1964	234.70	4,520	0.0694	0.0779	420
Valerian	250	19	A	0.115	0.5740	0.1964	234.70	4,660	0.0701	0.0787	420
Daisy	266.8	7	AA	0.195	0.5860	0.2095	250.50	4,830	0.0650	0.0730	430
Laurel	266.8	19	A	0.119	0.5930	0.2095	250.50	4,970	0.0650	0.0730	440
Peony	300	19	A	0.126	0.6290	0.2356	281.60	5,480	0.0578	0.0650	470
Tulip	336.4	19	A	0.133	0.6660	0.2642	315.80	6,150	0.0515	0.0579	500
Daffodil	350	19	A	0.136	0.6790	0.2749	328.60	6,390	0.0496	0.0558	520
Canna	397.5	19	AA,A	0.145	0.7240	0.3122	373.20	7,110	0.0435	0.0490	560
Goldentuft	450	19	AA	0.154	0.7690	0.3534	422.40	7,890	0.0386	0.0435	600
Cosmos	477	19	AA	0.158	0.7930	0.3746	447.80	8,360	0.0364	0.0410	630
Syringa	477	37	A	0.114	0.7950	0.3746	447.80	8,690	0.0364	0.0411	630
Zinnia	500	19	AA	0.162	0.8110	0.3927	469.40	8,760	0.0347	0.0392	650
Hyacinth	500	37	A	0.116	0.8130	0.3927	469.40	9,110	0.0347	0.0392	650
Dahlia	556.5	19	AA	0.171	0.8560	0.4371	522.40	9,750	0.0311	0.0352	690
Mistletoe	556.5	37	AA,A	0.123	0.8580	0.4371	522.40	9,940	0.0312	0.0353	690
Meadowsweet	600	37	AA,A	0.127	0.8910	0.4712	563.20	10,700	0.0289	0.0328	720

# AAC 1350 CABLE

(CONTINUED)



## AAC 1350

ALL ALUMINUM CONDUCTOR 1350-H19

### DESCRIPTION

ALUMINUM-1350-H19 WIRES, CONCENTRICALLY STRANDED.

### STANDARDS

AAC CABLES ARE MANUFACTURED UNDER ASTM B-231, CONCENTRIC LAY STRANDED, 1350-H19 ALUMINUM CONDUCTORS (AAC) STANDARD.

### APPLICATIONS

USED AS OVERHEAD CONDUCTOR IN TRANSMISSION AND PRIMARY AND SECONDARY DISTRIBUTION LINES, WHERE AMPACITY MUST BE MAINTAINED AND LIGHTER CONDUCTOR (VERSUS ACSR) IS DESIRED. AAC CABLES HAVE LESS MECHANICAL STRENGTH THAN ACSR.

Code Word	Size (AWG or KCM)	Stranding		Diameter (Inches)		Cross Sectional Area (sq. Inches)	Weight per 1000 Feet	Rated Strength (lbs)	Resistance OHMS/1000 ft		Ampacity
		No of Wires	Class	Individual Wires	Complete Cable				DC @ 20 C	AC @ 50 C	
Orchid	636	37	AA,A	0.131	0.9180	0.4995	597.00	11,400	0.0272	0.0309	750
Hevchera	650	37	AA	0.133	0.9280	0.5105	610.20	11,600	0.0267	0.0302	760
Verbena	700	37	AA	0.138	0.9630	0.5498	657.10	12,500	0.0248	0.0282	800
F lag	700	61	A	0.107	0.9640	0.5498	657.10	12,900	0.0248	0.0282	800
Violet	715.5	37	AA	0.139	0.9740	0.5620	671.70	12,800	0.0242	0.2760	810
Nasturtium	715.5	61	A	0.108	0.9750	0.5620	671.70	13,100	0.0242	0.0276	810
Petunia	750	37	AA	0.142	0.9970	0.5891	704.00	13,100	0.0231	0.0263	830
Cattail	750	61	A	0.111	0.9980	0.5891	704.00	13,500	0.0231	0.0263	830
Arbutus	795	37	AA	0.145	1.0260	0.6244	746.30	13,900	0.0218	0.0249	860
Lilac	795	61	A	0.114	1.0280	0.6244	746.30	14,300	0.0218	0.0249	860
Cockscomb	900	37	AA	0.156	1.0920	0.7069	844.90	15,400	0.0193	0.0221	930
Snapdragon	900	61	A	0.122	1.0940	0.7069	844.90	15,900	0.0193	0.0221	930
Magnolia	954	37	AA	0.161	1.1240	0.7493	895.60	16,400	0.0182	0.0209	960
Goldenrod	954	61	A	0.125	1.1260	0.7493	895.60	16,900	0.0182	0.0209	960
Hawkweed	1000	37	AA	0.164	1.1500	0.7854	938.70	17,200	0.0173	0.0200	990
Camellia	1000	61	A	0.128	1.1520	0.7854	938.70	17,700	0.0174	0.0200	990
Bluebell	1033.5	37	AA	0.167	1.1700	0.8117	970.20	17,700	0.0168	0.0194	1010
Larkspur	1033.5	61	A	0.130	1.1720	0.8117	970.20	18,300	0.0168	0.0194	1010
Marigold	1113	61	AA,A	0.135	1.2160	0.8742	1045	19,700	0.0156	0.0181	1060
Hawthorn	1192.5	61	AA,A	0.140	1.2580	0.9366	1119	21,100	0.0145	0.0170	1100
Narcissus	1272	61	AA,A	0.144	1.3000	0.9990	1194	22,000	0.0136	0.0160	1150
Columbine	1351.5	61	AA,A	0.149	1.3400	1.0610	1269	23,400	0.0128	0.0151	1190
Carnation	1431	61	AA,A	0.153	1.3790	1.1240	1343	24,300	0.0121	0.0144	1240
Gladiolus	1510.5	61	AA,A	0.157	1.4170	0.1186	1418	25,600	0.0115	0.0137	1280

# AAC 1350 CABLE

(CONTINUED)



## AAC 1350

ALL ALUMINUM CONDUCTOR 1350-H19

**DESCRIPTION**

ALUMINUM-1350-H19 WIRES, CONCENTRICALLY STRANDED.

**STANDARDS**

AAC CABLES ARE MANUFACTURED UNDER ASTM B-231, CONCENTRIC LAY STRANDED, 1350-H19 ALUMINUM CONDUCTORS (AAC) STANDARD.

**APPLICATIONS**

USED AS OVERHEAD CONDUCTOR IN TRANSMISSION AND PRIMARY AND SECONDARY DISTRIBUTION LINES, WHERE AMPACITY MUST BE MAINTAINED AND LIGHTER CONDUCTOR (VERSUS ACSR) IS DESIRED. AAC CABLES HAVE LESS MECHANICAL STRENGTH THAN ACSR..

Code Word	Size (AWG or KCM)	Stranding		Diameter (Inches)		Cross Sectional Area (sq. Inches)	Weight per 1000 Feet	Rated Strength (lbs)	Resistance OHMS/1000 ft		Ampacity
		No of Wires	Class	Individual Wires	Complete Cable				DC @ 20 C	AC @ 50 C	
Coreopsis	1590	61	AA	0.161	1.4540	1.2490	1493	27,000	0.0109	0.0131	1320
Jessamine	1750	61	AA	0.169	1.5250	1.3740	1643	29,700	0.0099	0.0120	1390
Cowslip	2000	91	A	0.148	1.6300	1.5710	1877	34,200	0.0087	0.0108	1510
Sagebrush	2250	91	A	0.157	1.7290	1.7670	2131	37,500	0.0077	0.0098	1610
Lupine	2500	91	A	0.166	1.8230	1.9640	2370	41,900	0.0069	0.0090	1710
Bitterroot	2750	91	A	0.174	1.9130	2.1600	2607	46,100	0.0063	0.0084	1800
Trilliup	3000	127	A	0.154	1.9960	2.3560	2844	50,300	0.0058	0.0079	1880
Bluebonnet	3500	127	A	0.166	2.1580	0.2749	3350	58,700	0.0050	0.0071	2040