

# AAC, ACSR, and AAAC Service Drop Duplex

## Product Description

One concentric-lay-stranded all aluminum conductor covered with HMW polyethylene or cross-linked polyethylene twisted together with one bare either AAC, ACSR, or AAAC concentric lay stranded neutral.

## Application

Used in the overhead distribution of power from pole to building weatherhead.

## Product Data

### AAC Service Drop Duplex

Code Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft. (lbs.)		Allowable Ampacities+	
	Size (AWG)	Stranding	Covering Thickness (mils.)	Size (AWG)	Stranding	Rated Strength (lbs.)	POLY	XLP	POLY	XLP
Pekingese	6	1	45	6	7	563	61	62	70	85
Collie	6	7	45	6	7	563	64	66	70	85
Dachshund	4	1	45	4	7	881	92	94	90	115
Spaniel	4	7	45	4	7	881	96	99	90	115
Doberman	2	7	45	2	7	1350	147	149	120	150
Malemute	1/0	19	60	1/0	7	1990	234	237	160	205

### ACSR Service Drop Duplex

Code Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft. (lbs.)		Allowable Ampacities+	
	Size (AWG)	Stranding	Covering Thickness (mils.)	Size (AWG)	Stranding	Rated Strength (lbs.)	POLY	XLP	POLY	XLP
Setter	6	1	45	6	6/1	1190	63	64	70	85
Shepherd	6	7	45	6	6/1	1190	75	77	70	85
Eskimo	4	1	45	4	6/1	1860	110	112	90	115
Terrier	4	7	45	4	6/1	1860	115	117	90	115
Chow	2	7	45	2	6/1	2850	176	178	120	150
Bull	1/0	19	60	1/0	6/1	4380	280	282	160	205

### AAAC 6201 Alloy Service Drop Duplex

Code Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft. (lbs.)		Allowable Ampacities+	
	Size (AWG)	Stranding	Covering Thickness (mils.)	ACSR Equivalent (AWG)	Stranding	Rated Strength (lbs.)	POLY	XLP	POLY	XLP
Chihuahua	6	1	45	6	7	1110	63	64	70	85
Vizsla	6	7	45	6	7	1110	66	67	70	85
Harrier	4	1	45	4	7	1760	99	100	90	115
Whippet	4	7	45	4	7	1760	101	102	90	115
Schnauzer	2	7	45	2	7	2800	157	159	120	150
Heeler	1/0	19	60	1/0	7	4460	250	252	160	205

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

\*Manufactured with pride in DeKalb, IL USA.

## Specification Data

ASTM B-230	Aluminum 1350-H19 wire for electrical purposes
ASTM B-231	Concentric-lay-stranded aluminum 1350 conductors
ASTM B-232	Concentric-lay-stranded aluminum conductors, coated-steel reinforced (ACSR)
ASTM D-1248	Polyethylene plastics molding and extrusion materials
ASTM C-8.35	Specifications for weather-resistant polyethylene-covered wire and cable
ICEA S-61-402	
NEMA PUB NO. WC 5	Standards publication thermoplastic insulated wire and cable for the transmission and distribution of electrical energy