



● Application

Duplex service drop aluminum conductors are designed to supply 120-volt aerial service for various applications, including temporary service at construction sites and outdoor or street lighting. They are also suitable for permanent service installations operating at 600 volts or lower, with a maximum conductor temperature of 75°C. These conductors are used in settings where reliability and ease of installation are essential.

● Advantage

Versatility: Suitable for a range of temporary and permanent 120-volt service applications, including construction sites and outdoor lighting.

Ease of Installation: Lightweight and flexible, making them easy to install in various environments.

Durability: Insulation materials such as PE and XLPE offer excellent weather resistance and long-term durability.

Cost-Effective: Aluminum conductors are a cost-effective solution compared to copper, providing good electrical performance at a lower cost.

Strength and Support: The neutral/messenger conductor, made from materials such as AAC, ACSR, or AAAC, provides the necessary mechanical support for the phase conductor, ensuring stability and reliability.

● Construction

Phase Conductor:

Material: Concentric strands or compressed aluminum 1350-H19.

Neutral/Messenger Conductor:

Material: Available in bare AAC (All Aluminum Conductor), ACSR (Aluminum Conductor Steel Reinforced), or alloy 6201 AAAC (All Aluminum Alloy Conductor).

Insulation:

Material: Black color polyethylene (PE) or crosslinked polyethylene (XLPE).

● Specification

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

-ASTM B-231 Aluminum Conductors, Concentric-Lay-Stranded.

-ASTM B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced (ACSR).

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

-ASTM B498 Zinc-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR).

-Duplex service drop cable meet or exceeds all applicable requirements of ANSI/ICEA S-76-474.

● Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

● Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



● National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Bare AAC Neutral											
Code Name	Size	Phase Conductor Strands			Bare Neutral Strands			Weight per 1000ft		Ampacity	
		AAC		Insul. Thick.	Bare AAC		Breaking Strength	XLP	Poly	XLP	Poly
		No.	Dia.		No.	Dia.					
-	AWG or kcmil	-	mm	mm	-	mm	lb	lb	lb	A	A
Pekingese	1*6AWG+1*6AWG	1	4.11	1.14	7	1.56	563	63.5	61.7	85	70
Collie	1*6AWG+1*6AWG	7	1.56	1.14	7	1.56	563	66.8	63.1	85	70
Dachshund	1*4AWG+1*4AWG	1	5.19	1.14	7	1.96	881	95.5	93.4	115	90
Spaniel	1*4AWG+1*4AWG	7	1.96	1.14	7	1.96	881	100.5	95.4	115	90
Doberman	1*2AWG+1*2AWG	7	2.47	1.14	7	2.47	1350	152.7	145.7	150	120
Malemute	1*1/0AWG+1*1/0AWG	19	1.89	1.52	7	3.12	1990	242.6	234.2	205	160

Bare ACSR Neutral													
Code Name	Size	Phase Conductor Strands			Bare Neutral Strands				Weight per 1000ft		Ampacity		
		AAC		Insul. Thick.	Bare ACSR		Breaking Strength	XLP	Poly	XLP	Poly		
		Strands	Dia.		AL.	Steel							
												No.	Dia.
-	AWG or kcmil	-	mm	mm	-	mm	-	mm	lb	lb	lb	A	A
Setter	1*6AWG+1*6AWG	1	4.11	1.14	1	1.68	6	1.68	1190	75.0	73.2	85	70
Shepherd	1*6AWG+1*6AWG	7	1.56	1.14	1	1.68	6	1.68	1190	78.3	74.6	85	70
Eskimo	1*4AWG+1*4AWG	1	5.19	1.14	1	2.12	6	2.12	1860	113.7	111.6	115	90
Terrier	1*4AWG+1*4AWG	7	1.96	1.14	1	2.12	6	2.12	1860	118.7	113.6	115	90
Chow	1*2AWG+1*2AWG	7	2.47	1.14	1	2.67	6	2.67	2850	181.7	174.7	150	120
Bull	1*1/0AWG+1*1/0AWG	19	1.89	1.52	1	3.37	6	3.37	4380	288.7	280.3	205	160

Bare AAAC 6201 Alloy Neutral													
Code Name	Size	Phase Conductor Strands			Bare Neutral Strands			Weight per 1000ft		Ampacity			
		AAC		Insul. Thick.	Bare Alloy		Breaking Strength	XLP	Poly	XLP	Poly		
		No.	Dia.		No.	Dia.							
-	AWG or kcmil	-	mm	mm	-	mm	-	mm	lb	lb	lb	A	A
Chihuahua	1*6AWG+1*30.58	1	4.11	1.14	7	1.68	1110	67.6	65.8	85	70		
Vizsla	1*6AWG+1*30.58	7	1.56	1.14	7	1.68	1110	70.9	67.2	85	70		
Harrier	1*4AWG+1*48.69	1	5.19	1.14	7	2.12	1760	102.0	99.9	115	90		
Whippet	1*4AWG+1*48.69	7	1.96	1.14	7	2.12	1760	107.0	101.9	115	90		
Schnauzer	1*2AWG+1*77.47	7	2.47	1.14	7	2.67	2800	163.3	156.2	150	120		
Heeler	1*1/0AWG+1*123.3	19	1.89	1.52	7	3.37	4460	259.2	250.8	205	160		