

ALUMINUM SECONDARY DISTRIBUTION

DUPLEX SERVICE DROP CABLE 600V

Concentric Lay

Aluminum 1350 Wire

Bare Neutral



OmniCable Part #	Phase Conductor			Bare Neutral Messenger			Weight/kft. (lbs)		Allowable Ampacities*	
	Size	Stranding	Covering Thickness	Size	Stranding	Rated Strength (lbs.)	Poly	XLP	Poly	XLP
DUPLEX SERVICE DROP – AAC NEUTRAL MESSENGER										
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
DUPLEX SERVICE DROP – ACSR NEUTRAL MESSENGER										
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
DUPLEX SERVICE DROP – 6201 ALLOY NEUTRAL MESSENGER										
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

- All drawings, designs, specifications, plans and particulars of weights, sizes and dimensions contained in the technical or commercial documentation of OmniCable is indicative only and shall not be binding on OmniCable or be treated as constituting a representation on the part of OmniCable.
* Ampacity based on 40°C ambient temperature, crosswind at 2ft/s, and no sun.

APPLICATION:

This duplexed cable is suited for use as drop cable from a pole mounted transformer to the service entrance of a structure, or as secondary distribution between poles. The cable should be limited to 600V phase to phase and not exceed 90°C.

CONSTRUCTION:

One insulated phase conductor twisted around a bare aluminum alloy or ACSR neutral conductor.

CONDUCTORS: Aluminum alloy 1350-H19 wire.

INSULATION: Black thermoset cross-linked polyethylene (XLPE).

NEUTRAL: Bare aluminum alloy or ACSR

ADDITIONAL STANDARDS:

- ASTMB-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 B-399: Concentric-Lay Stranded Aluminum-Alloy 6201-T81 Conductors
- ICEA S-76-474: Neutral-Supported Power Cable Assemblies with Weather-Resistant Extruded Insulation Rated 600 Volts