

Duplex Service Drop Wire

Overhead cable for aerial distribution and service connection

Duplex Service Drop Wire is prepared for preliminary product selection and quotation review. This product is used for overhead distribution routes where conductor arrangement, insulation, messenger or neutral support and installation environment determine cable selection.



VOLTAGE

120V, 600V

CONDUCTOR

Aluminum / reinforced conductor route, according to overhead cable standard

TYPICAL USE

Aerial bundled cable systems

STANDARDS

ICEA S-76-474; ASTM B230; ASTM B231; ASTM B232; additional project standards

DATA SCOPE

3 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm voltage, conductor, core arrangement, messenger/neutral and installation span.

For quotation review, provide cable type, standard, size, quantity and project destination.

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Application & Selection Summary

Typical applications

- Aerial bundled cable systems
- overhead service drops
- rural and urban distribution networks
- utility line upgrade projects.

Selection logic

- Confirm voltage grade, conductor material, core arrangement, messenger/neutral requirement, installation span and applicable utility standard.

Construction Overview

Item	Website-ready content
Product route	Aluminum or copper conductor with insulation and optional messenger or bundled arrangement according to product type.
Voltage	120V, 600V
Conductor	Aluminum / reinforced conductor route, according to overhead cable standard
Standards	ICEA S-76-474; ASTM B230; ASTM B231; ASTM B232; ASTM B399
Confirmation	Final structure, dimensions and packing should follow selected standard, quotation review and order specification.

Readable Data Index

Data route	Size / rating range	Construction	Diameter / OD	Resistance / weight / rating
Duplex Service Drop Wire - Technical Table 1	6 / Solid - 1/0 / 19-w	See table	See table	62 / 61 - 237 / 234
Duplex Service Drop Wire - Technical Table 2	6 / Solid - 1/0 / 19-w	See table	See table	64 / 63 - 282 / 280
Duplex Service Drop Wire - Technical Table 3	6 / Solid - 1/0 / 19-w	See table	See table	64 / 63 - 252 / 250

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

Duplex Service Drop Wire - Technical Table 1

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Covering (mils)	Neutral Messenger	Rated Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Pekingese	6 / Solid	45	AAC 6 / 7	563	0.44	62 / 61	85 / 70
Collie	6 / 7-w	45	AAC 6 / 7	563	0.46	66 / 64	85 / 70
pDpacHischuanDtio	4n / sSolid	45	AAC 4 / 7	881	0.53	94 / 92	115 / 90
Spaniel	4 / 7-w	45	AAC 4 / 7	881	0.56	99 / 96	115 / 90
Doberman	2 / 7-w	45	AAC 2 / 7	1350	0.68	149 / 147	150 / 120
Malamute	1/0 / 19-w	60	AAC 1/0 / 7	1990	0.87	237 / 234	205 / 160

Duplex Service Drop Wire - Technical Table 2

Reference table for preliminary selection and quotation review.

Code Word	on Phase Cond. (AWG / Strand)	Covering (mils)	Neutral Messenger	Rated Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Setter	6 / Solid	45	ACSR 6 / 6-1	1190	0.46	64 / 63	85 / 70
Shepherd	6 / 7-w	45	ACSR 6 / 6-1	1190	0.48	77 / 75	85 / 70
Eskimo	4 / Solid	45	ACSR 4 / 6-1	1860	0.55	112 / 110	115 / 90
Terrier	4 / 7-w	45	ACSR 4 / 6-1	1860	0.58	117 / 115	115 / 90
Chow	2 / 7-w	45	ACSR 2 / 6-1	2850	0.70	178 / 176	150 / 120
Bull	1/0 / 19-w	60	ACSR 1/0 / 6-1	4380	0.90	282 / 280	205 / 160

Duplex Service Drop Wire - Technical Table 3

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Covering (mils)	Neutral Messenger	Rated Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Chihuahua	6 / Solid	45	AAAC eq. 6 / 7	1110	0.45	64 / 63	85 / 70
Vizsla	6 / 7-w	45	AAAC eq. 6 / 7	1110	0.46	67 / 66	85 / 70
Harrier	4 / Solid	45	AAAC eq. 4 / 7	1760	0.54	100 / 99	115 / 90
Whippet	4 / 7-w	45	AAAC eq. 4 / 7	1760	0.55	102 / 101	115 / 90
Schnauzer pplicati	2 / 7-w	45	AAAC eq. 2 / 7	2800	0.67	159 / 157	150 / 120
Heeler	1/0 / 19-w	60	AAAC eq. 1/0 / 7	4460	0.85	252 / 250	205 / 160