

Service Drop Wire

Overhead cable for aerial distribution and service connection

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

AS 75; AS 90; ICEA S-76-474; ASTM B230; additional project standards

DATA SCOPE

11 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	AS 75; AS 90; 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
Service Drop Wire - Technical Table 1	6 / Solid - 1/0 / 19-w	See table	See table	64 / 62 - 289 / 280
Service Drop Wire - Technical Table 2	6 / Solid - 1/0 / 19-w	See table	See table	64 / 63 - 252 / 250
Service Drop Wire - Technical Table 3	8 / Solid - 336.4 / 19-w	See table	See table	68 / 68 - 1110 / 1096
Service Drop Wire - Technical Table 4	6 / Solid - 2/0 / 19-w	See table	See table	114 / 113 - 511 / 505

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.

Service Drop Wire - Technical Table 1

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Pekingese	6 / Solid	45	AAC 6 / 7	563	0.44	64 / 62	85 / 70
Collie	6 / 7-w	45	AAC 6 / 7	563	0.46	69 / 63	85 / 70
Dachshund	4 / Solid	45	AAC 4 / 7	881	0.53	96 / 93	115 / 90
Spaniel	4 / 7-w	45	AAC 4 / 7	881	0.56	101 / 95	115 / 90
Doberman	2 / 7-w	45	AAC 2 / 7	1350	0.68	153 / 146	150 / 120
Malamute	1/0 / 19-w	60	AAC 1/0 / 7	1990	0.87	243 / 234	205 / 160
Setter	6 / Solid	45	ACSR 6 / 6-1	1190	0.46	75 / 73	85 / 70
Shepherd	6 / 7-w	45	ACSR 6 / 6-1	1190	0.48	78 / 75	85 / 70
Eskimo	4 / Solid	45	ACSR 4 / 6-1	1860	0.55	114 / 112	115 / 90
Terrier	4 / 7-w	45	ACSR 4 / 6-1	1860	0.58	119 / 114	115 / 90
Chow	2 / 7-w	45	ACSR 2 / 6-1	2850	0.70	182 / 175	150 / 120
Bull	1/0 / 19-w	60	ACSR 1/0 / 6-1	4380	0.90	289 / 280	205 / 160

Service Drop Wire - Technical Table 2

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Chihuahua	6 / Solid	45	AAAC eq.6 / 7	1110	0.450	64 / 63	85 / 70
Vizsla	6 / 7-w	45	AAAC eq.6 / 7	1110	0.457	67 / 66	85 / 70
Harrier	4 / Solid	45	AAAC eq.4 / 7	1760	0.544	100 / 99	115 / 90
Whippet	4 / 7-w	45	AAAC eq.4 / 7	1760	0.553	102 / 101	115 / 90
Schnauzer	2 / 7-w	45	AAAC eq.2 / 7	2800	0.674	159 / 157	150 / 120
Heeler	1/0 / 19-w	60	AAAC eq.1/0 / 7	4460	0.854	252 / 250	205 / 160

Service Drop Wire - Technical Table 3

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
-	8 / Solid	45	AAC 8 / 7	310	0.46	68 / 68	65 / 50
Haiotis	6 / Solid	45	AAC 6 / 7	563	0.53	103 / 99	85 / 70
Patella	6 / 7-w	45	AAC 6 / 7	563	0.57	104 / 102	85 / 70
Fusus	4 / Solid	45	AAC 4 / 7	881	0.62	152 / 148	115 / 90
Oyster	4 / 7-w	45	AAC 4 / 7	881	0.67	154 / 152	115 / 90
Mussel	2 / 7-w	45	AAC 4 / 7	881	0.80	208 / 204	150 / 120
Clam	2 / 7-w	45	AAC 2 / 7	1350	0.80	232 / 228	150 / 120
Snail	1/0 / 7-w	60	AAC 2 / 7	1350	1.02	336 / 329	205 / 160
Murex	1/0 / 7-w	60	AAC 1/0 / 7	1990	1.02	374 / 367	205 / 160
Purpura	1/0 / 19-w	60	AAC 1/0 / 7	1990	1.03	368 / 362	205 / 160
Nassa	2/0 / 7-w	60	AAC 2/0 / 7	2510	1.11	461 / 453	235 / 185
Melita	3/0 / 19-w	60	AAC 3/0 / 19	3310	1.23	585 / 563	275 / 215
Portunus	4/0 / 19-w	60	AAC 4/0 / 19	4020	1.35	693 / 684	315 / 245
Nannynose	336.4 / 19-w	80	AAC 336.4 / 19	6146	1.72	1110 / 1096	420 / 325

Service Drop Wire - Technical Table 4

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Paludina	6 / Solid	45	ACSR 6 / 6-1	1190	0.53	114 / 113	85 / 70
Voluta	6 / 7-w	45	ACSR 6 / 6-1	1190	0.57	115 / 112	85 / 70
Whelk	4 / Solid	45	ACSR 4 / 6-1	1860	0.62	163 / 161	115 / 90
Periwinkle	4 / 7-w	45	ACSR 4 / 6-1	1860	0.67	172 / 169	115 / 90
Conch	2 / 7-w	45	ACSR 2 / 6-1	2850	0.80	262 / 257	150 / 120
Neritina	1/0 / 7-w	60	ACSR 1/0 / 6-1	4380	1.02	420 / 414	205 / 160
Cenia	1/0 / 19-w	60	ACSR 1/0 / 6-1	4380	1.03	414 / 408	205 / 160
Runcina	2/0 / 7-w	60	ACSR 2/0 / 6-1	5310	1.11	519 / 512	235 / 185
Triton	2/0 / 19-w	60	ACSR 2/0 / 6-1	5310	1.12	511 / 505	235 / 185

Service Drop Wire - Technical Table 5

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Cherrystone	3/0 / 7-w	60	ACSR 3/0 / 6-1	6620	1.22	656 / 643	275 / 215
Mursia	3/0 / 19-w	60	ACSR 3/0 / 6-1	6620	1.23	633 / 626	275 / 215
Razor	4/0 / 7-w	60	ACSR 4/0 / 6-1	8350	1.34	814 / 799	315 / 245
Zuzara	4/0 / 19-w	60	ACSR 4/0 / 6-1	8350	1.35	785 / 777	315 / 245
Limpet	336.4 / 19-w	80	ACSR 336.4 / 18-1	8680	1.72	1161 / 1147	420 / 325

Service Drop Wire - IEC technical data

Reference table for preliminary selection and quotation review.

ppColdiec Waotrdio	Phase Cond. ns (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Scallop	4 / Solid	45	ACSR 6 / 6-1	1190	0.62	142 / 139	115 / 90
Strombus	4 / 7-w	45	ACSR 6 / 6-1	1190	0.67	151 / 148	115 / 90
Cockle	2 / 7-w	45	ACSR 4 / 6-1	1860	0.80	228 / 224	150 / 120
Janthina	1/0 / 7-w	60	ACSR 2 / 6-1	2850	1.02	367 / 360	205 / 160
Ranella	1/0 / 19-w	60	ACSR 2 / 6-1	2850	1.03	361 / 356	205 / 160
Cavolinia	2/0 / 7-w	60	ACSR 1 / 6-1	3550	1.11	452 / 444	235 / 185
Clio	2/0 / 19-w	60	ACSR 1 / 6-1	3550	1.12	444 / 437	235 / 185
Sanddollar	3/0 / 7-w	60	ACSR 1/0 / 6-1	4380	1.22	570 / 557	275 / 215
Aega	3/0 / 19-w	60	ACSR 1/0 / 6-1	4380	1.23	565 / 552	275 / 215
Cuttlefish	4/0 / 7-w	60	ACSR 2/0 / 6-1	5310	1.33	706 / 691	315 / 245
Cerapus	4/0 / 19-w	60	ACSR 2/0 / 6-1	5310	1.35	678 / 670	315 / 245
Cowry	336.4 / 19-w	80	ACSR 4/0 / 6-1	8350	1.72	1135 / 1093	420 / 325

Service Drop Wire - Technical Table 7

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Minex	6 / Solid	45	AAAC eq.6 / 7	1110	0.53	107 / 103	85 / 70
Hippa	6 / 7-w	45	AAAC eq.6 / 7	1110	0.57	107 / 106	85 / 70
Prawn	4 / Solid	45	AAAC eq.4 / 7	1760	0.62	158 / 154	115 / 90
Barnacles	4 / 7-w	45	AAAC eq.4 / 7	1760	0.67	160 / 157	115 / 90
Shrimp	2 / 7-w	45	AAAC eq.2 / 7	2800	0.80	243 / 238	150 / 120
Gammarus	1/0 / 7-w	60	AAAC eq.1/0 / 7	4460	1.02	390 / 384	205 / 160
Leda	1/0 / 19-w	60	AAAC eq.1/0 / 7	4460	1.03	384 / 378	205 / 160
Dungeness	2/0 / 7-w	60	AAAC eq.2/0 / 7	5390	1.11	481 / 474	235 / 185
Cyclops	2/0 / 19-w	60	AAAC eq.2/0 / 7	5390	1.12	473 / 467	235 / 185
Flustra	3/0 / 19-w	60	AAAC eq.3/0 / 7	6790	1.23	596 / 589	275 / 215
Lepas	4/0 / 19-w	60	AAAC eq.4/0 / 7	8560	1.35	725 / 716	315 / 245

Service Drop Wire - Technical Table 8

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Artemia	4 / Solid	45	AAAC eq.6 / 7	1110	0.62	134 / 132	115 / 90
Crab	4 / 7-w	45	AAAC eq.6 / 7	1110	0.67	144 / 141	115 / 90
Solaster	2 / 7-w	45	AAAC eq.4 / 7	1760	0.80	216 / 212	150 / 120
Sandcrab	1/0 / 7-w	60	AAAC eq.2 / 7	2800	1.02	348 / 341	205 / 160
Echinus	1/0 / 19-w	60	AAAC eq.2 / 7	2800	1.03	342 / 336	205 / 160
Crayfish	2/0 / 7-w	60	AAAC eq.1 / 7	3530	1.11	453 / 423	235 / 185
Sipho	2/0 / 19-w	60	AAAC eq.1 / 7	3530	1.12	441 / 423	235 / 185
Fulgar	3/0 / 19-w	60	AAAC eq.1/0 / 7	4460	1.23	525 / 518	275 / 215
Arca	4/0 / 19-w	60	AAAC eq.2/0 / 7	5390	1.35	640 / 632	315 / 245

Service Drop Wire - Technical Table 9

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
-	8 / Solid	45	AAC 8 / 7	310	0.49	94 / 93	55 / 45
Clydesdale	4 / Solid	45	AAC 4 / 7	881	0.68	208 / 201	100 / 80
Pinto	4 / 7-w	45	AAC 4 / 7	881	0.73	223 / 207	100 / 80
Mustang	2 / 7-w	45	AAC 2 / 7	1350	0.88	333 / 312	135 / 105
Criollo	1/0 / 19-w	60	AAC 1/0 / 7	1990	1.12	529 / 504	180 / 140
Percheron	2/0 / 19-w	60	AAC 2/0 / 7	2510	1.24	649 / 620	205 / 160
Hanoverian	3/0 / 19-w	60	AAC 3/0 / 19	3310	1.36	799 / 765	235 / 185
Oldenburg	4/0 / 19-w	60	AAC 4/0 / 19	4020	1.50	986 / 946	275 / 210
Lippizaner	336.4 / 19-w	80	AAC 336.4 / 19	6146	1.91	1546 / 1519	370 / 280

Service Drop Wire - Technical Table 10

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Morochuca	6 / Solid	45	ACSR 6 / 6-1	1190	0.58	152 / 147	75 / 60
Chola	6 / 7-w	45	ACSR 6 / 6-1	1190	0.62	162 / 151	75 / 60
Morgan	4 / Solid	45	ACSR 4 / 6-1	1860	0.69	226 / 220	100 / 80
Hackney	4 / 7-w	45	ACSR 4 / 6-1	1860	0.74	241 / 226	100 / 80
Palomino	2 / 7-w	45	ACSR 2 / 6-1	2850	0.89	362 / 342	135 / 105
Costena	1/0 / 19-w	60	ACSR 1/0 / 6-1	4380	1.14	575 / 550	180 / 140
Grullo	2/0 / 19-w	60	ACSR 2/0 / 6-1	5310	1.26	707 / 678	205 / 160
Suffolk	3/0 / 19-w	60	ACSR 3/0 / 6-1	6620	1.38	872 / 838	235 / 185
Appaloosa	4/0 / 19-w	60	ACSR 4/0 / 6-1	8350	1.52	1079 / 1039	275 / 210
Bronco	336.4 / 19-w	80	ACSR 336.4 / 18-1	8580	1.92	1613 / 1568	370 / 280
Gelding	336.4 / 19-w	80	ACSR 4/0 / 6-1	8350	1.85	1548 / 1494	370 / 280
Hurricane	500 / 37-w	80	ACSR 336.4 / 26-7	14100	2.21	2196 / 2186	480 / 360

Service Drop Wire - Technical Table 11

Reference table for preliminary selection and quotation review.

Code Word	Phase Cond. (AWG / Strand)	Insul. (mils)	Neutral Messenger	Breaking Strength (lbs)	OD (in.)	Weight XLP / Poly (lbs/kft)	Ampacity XLP / Poly (A)
Bay	6 / Solid	45	AAAC eq.6 / 7	1110	0.608	144 / 144	75 / 60
French- Coach	6 / 7-w	45	AAAC eq.6 / 7	1110	0.625	146 / 146	75 / 60
German- Coach	4 / Solid	45	AAAC eq.4 / 7	1760	0.710	212 / 212	100 / 80
Arabian	4 / 7-w	45	AAAC eq.4 / 7	1760	0.732	216 / 216	100 / 80
Belgian	2 / 7-w	45	AAAC eq.2 / 7	2800	0.864	325 / 325	135 / 105
Shetland	1/0 / 19-w	60	AAAC eq.1/0 / 7	4460	1.101	523 / 523	180 / 140
Thoroughbre d	2/0 / 19-w	60	AAAC eq.2/0 / 7	5390	1.197	643 / 643	205 / 160
Trotter	3/0 / 19-w	60	AAAC eq.3/0 / 7	6790	1.311	792 / 792	235 / 185
Walking	4/0 / 19-w	60	AAAC eq.4/0 / 7	8560	1.436	979 / 979	275 / 210