

Covered Line Wire

Overhead cable for aerial distribution and service connection

Covered Line 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

Reviewed according to selected product standard

CONDUCTOR

Aluminum / reinforced conductor route, according to overhead cable standard

TYPICAL USE

Aerial bundled cable systems

STANDARDS

ICEA S-70-547; 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	Reviewed according to selected product standard
Conductor	Aluminum / reinforced conductor route, according to overhead cable standard
Standards	ICEA S-70-547; ASTM B230; ASTM B231; ASTM B232; ASTM B400
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
Covered Line Wire - Technical Table 1	6 AWG - 4/0 AWG	Solid - 7	See table	31 - 253
Covered Line Wire - Technical Table 2	4/0 AWG - 1033.5 kcmil	19 - 61	See table	247 - 1128
Covered Line Wire - Technical Table 3	6 AWG - 266.8 kcmil	6/1 - 18/1	See table	47 - 354

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.

Covered Line Wire - Technical Table 1

Reference table for preliminary selection and quotation review.

Code Word	Conductor Size	Stranding	Cover (mil)	Approx. OD (in.)	Weight (lb/kft)	Rated Strength (lb)	Ampacity (A)
Apple	6 AWG	Solid	30	0.222	31	445	105
Plum	6 AWG	7	30	0.238	56	510	105
Pear	4 AWG	Solid	30	0.264	47	710	135
Apricot	4 AWG	7	30	0.285	51	790	140
Cherry	2 AWG	Solid	45	0.348	78	1100	180
Peach	2 AWG	7	45	0.373	84	1220	180
Nectarine	1 AWG	7	45	0.408	104	1470	210
Quince	1/0 AWG	7	60	0.477	136	1790	240
Orange	2/0 AWG	7	60	0.522	167	2260	280
Fig	3/0 AWG	7	60	0.570	205	2740	320
Olive	4/0 AWG	7	60	0.626	253	3450	370

Covered Line Wire - Technical Table 2

Reference table for preliminary selection and quotation review.

Code Word	Conductor Size	Stranding	Cover (mil)	Approx. OD (in.)	Weight (lb/kft)	Rated Strength (lb)	Ampacity (A)
Pomegranate	4/0 AWG	19	60	0.632	247	3620	370
Mulberry	266.8 kcmil	19	60	0.694	305	4470	430
Annona	336.4 kcmil	19	60	0.765	377	5540	495
Chinquapin	350 kcmil	19	60	0.778	390	5751	506
Molles	397.5 kcmil	19	80	0.861	462	6400	545
Huckleberry	477 kcmil	37	80	0.931	538	7820	610
Paw Paw	556.5 kcmil	37	80	0.992	619	8950	670
Breadfruit	636 kcmil	61	95	1.081	715	10500	720
Persimmon	795 kcmil	61	95	1.186	877	12900	825
Grapefruit	1033.5 kcmil	61	95	1.326	1128	16500	970

Covered Line Wire - Technical Table 3

Reference table for preliminary selection and quotation review.

Code Word	Conductor Size	Stranding	Cover (mil)	Approx. OD (in.)	Weight (lb/kft)	Rated Strength (lb)	Ampacity (A)
Walnut	6 AWG	6/1	30	0.258	47	1130	95
Butternut	4 AWG	6/1	30	0.310	72	1770	120
Hickory	4 AWG	7/1	30	0.317	83	2240	105
Pignut	2 AWG	6/1	45	0.406	118	2710	140
Beech	2 AWG	7/1	45	0.415	136	3460	120
Chestnut	1 AWG	6/1	45	0.444	145	3370	180
Almond	1/0 AWG	6/1	60	0.518	190	4160	320
Pecan	2/0 AWG	6/1	60	0.567	233	5040	970
pFpilbleirct atio	3/0 AWG	6/1	60	0.622	288	6290	145
Buckeye	4/0 AWG	6/1	60	0.683	357	7930	610
Hackberry	266.8 kcmil	18/1	60	0.729	354	6540	438