Covered Line Wire

AAC/ACSR/AAAC

SPECIFICATIONS AND STANDARDS

ASTM B-230: Aluminum Wire, 1350-H19 for Electrical Purposes.
ASTM B231: Concentric Lay-Stranded Aluminum 1350 Conductors.
ASTM B232: Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated Steel Reinforced (ACSR).
ASTM B399: Specification for Concentric-Lay-Stranded Aluminum Alloy 6201-T81 Conductors.
ICEA S-61-402: Thermoplastic-Insulated Wire and Cable.
ICEA S-66-524: Cross-Linked-Thermosetting-Polyethylene Insulated Wire and Cable.
ICEA S-70-547: Weather Resistant Polyolefin Covered Wire and Cable.

CONSTRUCTION:

1. Conductor: Aluminum alloy 1350-H19 stranded per ASTM B231
   ACSR stranded per ASTM B232.
   AAAC stranded per ASTM B399.
2.Separator: A suitable opaque tape, as required.
3.Insulation : Black cross-linked polyethylene (XLPE) or polyethylene (PE).
4.Maximum operating voltage: XLPE- Normal: 90 °C / PE- Normal: 75 °C
Coverings carry no voltage rating: XLPE- Emergency: 130 °C / PE- Emergency: 95 °C
Maximum conductor operation temperatures: XLPE- Short Circuit: 250 °C / PE- Short Circuit: 150 °C

APPLICATIONS

Covered Line Wire are intended primary for the distribution of electrical energy under normal condition of overhead (aerial) installation and service outdoors. Approved for use on insulators for overhead circuits. Otherwise treated as a bare conductor.

This catalogue shows the most common sizes, but other sizes, to any other standards or customer specification also can be supplied by us.

ADDRESS: ZHENGZHOU, HENAN , CHINA
FAX:+86-371-55367868
Email: info@jytopcable.com
WEBSITE:www.jytopcable.com

Covered Line Wire

AAC/ACSR/AAAC

Covered Line Wire manufactured to ASTM / ICEA

Code Name	Aluminum Conductor size AWG or MCM	Strand	Insulation Thickness (Mls)	Outside Diam. (inches)	Rated Strength Lbs/1000 Ft (lbs)	Weight (lbs)		Ampacity (Amps)XLPE
						Cross Linked polyethylene (XLPE)	Polyethylene (PE)	
AAC								
Apple	6	Solid	30	.222	445	33.0	32.0	105
Plum	6	7	30	.238	510	56.0	34.0	105
Pear	4	Solid	30	.264	710	48.5	47.3	135
Apricot	4	7	30	.285	790	51.5	50.8	140
Peach	2	7	45	.373	1220	87.1	84.0	180
Quince	1/0	7	60	.477	1790	140.7	135.6	240
Orange	2/0	7	60	.522	2260	171.9	166.2	280
Fig	3/0	7	60	.570	2740	210.5	204.0	320
Olive	4/0	7	60	.626	3450	258.7	251.4	370
Pomegranate	4/0	19	60	.632	3620	254.8	247.9	370
Mulberry	266.8	19	60	.694	4470	313.5	305.8	430
Anona	336.4	19	60	.765	5540	387.6	378.8	495
Molles	397.5	19	80	.861	6400	469.2	457.4	545
Huckleberry	477	37	80	.931	7820	550.0	537.5	610
Paw Paw	556.5	37	80	.992	8950	633.0	619.4	670
Breadfruit	636.0	61	95	1.081	10500	742.6	724.7	720
Persimmon	795	61	95	1.186	12900	910.0	890.0	825
Grapefruit	1033.5 1326	61	95	1.327	16500	1156.7	1133.8	970
ACSR								
Walnut	6	6/1	30	.258	1130	49	47	105
Butternut	4	6/1	30	.310	1770	71.8	70.0	135
Hickory	4	7/1	30	.317	2240	81.6	79.8	135
Pignut	2	6/1	45	.406	2710	118.4	114.8	180
Beech	2	7/1	45	.415	3460	134.1	130.7	180
Chestnut	1	6/1	45	.444	3370	145.5	141.8	210
Almond	1/0	6/1	60	.518	4160	190.4	184.9	235
Pecan	2/0	6/1	60	.567	5040	234.2	227.9	270
Filbert	3/0	6/1	60	.622	6290	288.5	281.4	305
Buckeye	4/0	6/1	60	.683	7930	356.5	348.5	345
Hackberry	266.8	18/1	60	.729	6540	354.8	346.8	435
AAAC -- Alloy 6201-T81								

ADDRESS: ZHENGZHOU, HENAN , CHINA
FAX:+86-371-55367868
Email: info@jytopcable.com
WEBSITE:www.jytopcable.com

AAC/ACSR/AAAC

Hombeam	4	7	30	.310	1360	62.1	60.1	145
Linden	2	7	45	.406	2160	96.1	93.3	190
Oilnut	1/0	7	60	.518	3440	166.1	160.0	250
Waterash	2/0	7	60	.567	4160	203.3	196.4	290
Shellbark	3/0	7	60	.622	5240	249.4	241.4	335
Plane tree	4/0	7	60	.683	6610	307.3	298.1	385

ADDRESS: ZHENGZHOU, HENAN , CHINA
FAX:+86-371-55367868
Email: info@jytopcable.com
WEBSITE:www.jytopcable.com