



Covered Line Wire With Thermoplastic Polyethylene (PE)

Aluminum Conductor Covered with Black Polyethylene (PE)



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Conductors are solid or stranded compressed aluminum
2. **Covering:** Black Polyethylene (PE)

APPLICATIONS AND FEATURES:

Aluminum alloy 1350-H19 or 6201 concentrically stranded. Covered with Black Polyethylene (PE). Used primarily for, but not limited to, overhead secondary distribution lines. Installed on insulators, otherwise treated as a bare conductor. Black Polyethylene (PE) covered line wires have the below temperature ratings:

- Normal Service temperature of 75°C
- Emergency Overload of 95°C
- Short Circuit temperature of 150°C

SPECIFICATIONS:

- ASTM B230 Aluminum, 1350-H19 Wire for Electrical Purposes
- ASTM B231 Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B400 Standard Specification for Compact Round Concentric-Lay-Stranded, Aluminum 1350 Conductors
- ICEA S-70-547 Weather Resistant Polyethylene Covers Conductors





Table 1 – Weights and Measurements

Stock Number	Code Word	Phase Cond. Size	Phase Strand	Phase Insul. Thickness	Approx. OD	Approx. Weight
		AWG/Kcmil	No.	mil	inch	lb/1000ft
TBA	Apple	6	Solid	30	0.222	31
TBA	Plum	6	7	30	0.238	56
TBA	Pear	4	Solid	30	0.264	47
102145	Apricot	4	7	30	0.285	51
102442	Hornbeam	4	7	30	0.310	60
TBA	Cherry	2	Solid	45	0.348	78
102152	Peach	2	7	45	0.373	84
TBA	Linden	2	7	45	0.406	99
TBA	Nectarine	1	7	45	0.408	104
102160	Quince	1/0	7	60	0.477	136
102467	Oilnut	1/0	7	60	0.518	159
TBA	Orange	2/0	7	60	0.522	167
TBA	Waterash	2/0	7	60	0.567	195
102186	Fig	3/0	7	60	0.570	205
TBA	Shellbark	3/0	7	60	0.622	240
102194	Olive	4/0	7	60	0.626	253
TBA	Pomegranate	4/0	19	60	0.632	247
102491	Planetree	4/0	7	60	0.683	297
TBA	Mulberry	266.8	19	60	0.694	305
102228	Annona	336.4	19	60	0.765	377
621974	Annona	336.4	19	60	0.765	377
102236	Molles	397.5	19	80	0.861	462
102244	Huckleberry	477	37	80	0.931	538
TBA	Paw Paw	556.5	37	80	0.992	619
TBA	Breadfruit	636	61	95	1.081	715
102269	Persimmon	795	61	95	1.186	877
TBA	Grapefruit	1033.5	61	95	1.326	--

All dimensions are nominal and subject to normal manufacturing tolerances

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.





Table 2 – Electrical and Engineering Data

Code Word	Phase Cond. Size AWG/Kcmil	Neutral Rated Breaking Strength lb	Allowable Ampacity In Air 75/90°C Amp
Apple	6	445	83
Plum	6	510	84
Pear	4	710	110
Apricot	4	790	111
Hornbeam	4	1360	116
Cherry	2	1100	146
Peach	2	1220	146
Linden	2	2160	152
Nectarine	1	1470	169
Quince	1/0	1790	193
Oilnut	1/0	3440	201
Orange	2/0	2260	223
Waterash	2/0	4160	231
Fig	3/0	2740	256
Shellbark	3/0	5240	266
Olive	4/0	3450	295
Pomegranate	4/0	3620	296
Planetree	4/0	6610	306
Mulberry	266.8	4470	340
Annona	336.4	5540	392
Annona	336.4	5540	392
Molles	397.5	6400	429
Huckleberry	477	7820	479
Paw Paw	556.5	8950	526
Breadfruit	636	10500	565
Persimmon	795	12900	646
Grapefruit	1033.5	16500	755

* Ampacity ratings based on 75°C conductor temperature 40°C ambient temperature. Wind speed 2 ft./sec. in sun.

* Diameter equivalent to ACSR construction or 1350 aluminum equivalent.

