



Weatherproof AAC - PE and XLP

Product Description

One AAC conductor covered with HMW or cross-linked (XLP) polyethylene.

Application

Used in the overhead distribution of power from pole to building weatherhead.

Product Data

Code Word	Size (AWG or kcmil)	Stranding	Cover Thickness (mils.)	Total Diameter (mils.)	Rated Strength (lbs.)	Weight Per 1000 ft (lbs.)		Allowable Ampacity+
						HMW PE	XLP	
Apple	6	1	30	222	445	31	31	105
Plum	6	7	30	238	510	34	56	105
Pear	4	1	30	264	710	47	47	135
Apricot	4	7	30	285	790	51	51	140
Cherry	2	1	45	348	1100	78	78	180
Peach	2	7	45	373	1220	84	84	180
Nectarine	1	7	45	408	1470	104	104	210
Quince	1/0	7	60	477	1790	136	136	240
Orange	2/0	7	60	522	2260	167	167	280
Fig	3/0	7	60	570	2740	205	205	320
Olive	4/0	7	60	626	3450	253	253	370
Pomegranate	4/0	19	60	632	3620	247	247	370
Mulberry	266.8	19	60	694	4470	305	305	430
Annona	336.4	19	60	765	5540	377	377	495
Molles	397.5	19	80	861	6400	462	462	545
Huckleberry	477.0	37	80	931	7820	538	538	610
Paw Paw	556.5	37	80	992	8950	619	619	670
Breadfruit	636.0	61	95	1081	10500	715	715	720
Persimmon	795.0	61	95	1186	12900	877	877	825
Grapefruit	1033.5	61	95	1326	16500	1118	--	970

+Ampacity ratings based on 75°C conductor temperature 25°C ambient temperature elevation - sea level. Emissivity 0.91 coefficient of absorption 0.95. Thermal resistivity of covering - 375°C M/Watt-CM. Wind speed 2 ft./sec. in sun.

*Manufactured with pride in DeKalb, IL USA.

Specification Data

ASTM B-230	Aluminum wire, 1350-H19 for electrical purposes
ASTM B-1248	Polyethylene plastics molding and extrusion materials
ASTM C-8.35	Specifications for weather-resistant polyethylene-covered wire and cable
ICEA S-61-402	
NEMA PUB NO. WC5	Standards publication thermoplastic insulated wire and cable for the transmission and distribution of electrical energy

Source URL: <http://www.nehringwire.com/aluminum/covered-aluminum/weatherproof-aac-pe-and-xlp>
 Published on *Nehring Electrical Work Company* (<http://www.nehringwire.com>)