



POLY AL. & POLY AAC

POLY Aluminum & POLY All Aluminum Conductors

PE insulated 75°C, 600 Volts.

Solid sizes AWG#6 to AWG#2. Stranded sizes AWG#6 to 1033.5MCM

- Specification** PHILFLEX Type POLY AL. & POLY AAC meets and exceeds applicable ASTM specifications & ANSI / ICEA-S-70-547 specification.
- Application** PHILFLEX Type POLY AL. & POLY AAC conductors are primarily used in overhead distribution lines. Installed on insulators, other wise treated as bare conductor.
- Construction** PHILFLEX Type POLY AL & POLY AAC conductors are solid 1350 – H19 aluminum and concentrically stranded according to ASTM B 231. Covered with weather resistant black polyethylene compound.



Code Name	Size	Stranding	Insul. Thickness	Approx. Over-all Diameter	Rated Strength	Approx. Cable Weight	Allowable Ampacity + (Amps) ++
	AWG / MCM	No. / mm	mm	mm	kg	Kg / km	A
Apple	6	4/1.55	0.76	5.68	201.85	46.77	105
Pear	4	5/1.89		6.71	321.15	70.38	135
Cherry	2	6/5.43	1.14	8.83	500.32	116.481	180
Plum	6	7/1.56	0.76	6.20	229.97	51.37	105
Apricot	4	7/1.96		7.40	359.70	77.70	140
Peach	2	7/2.47	1.14	9.70	551.12	128.44	180
Nectarine	1	7/2.78		10.63	669.51	158.22	210
Quince	1/0	7/3.12	1.52	12.41	812.39	207.82	240
Orange	2/0	7/3.50		13.55	1024.68	254.11	280
Fia	3/0	7/3.93	1.52	14.84	1241.05	312.21	320
Olive	4/0	7/4.42		16.31	1563.56	385.81	370
Pomegranate	4/0	19/2.68	1.52	16.45	1641.12	381.39	370
Mulberry	266.8	19/3.01		18.10	2028.95	471.12	430
Anona	336.4	19/3.38	2.03	19.95	2510.67	583.09	495
Molles	397.5	19/3.67		22.41	2902.58	711.60	545
Huckleberry	477.0	37/2.88	2.03	24.22	3547.60	833.20	610
Pawpaw	556.5	37/3.12		25.90	4075.90	965.02	670
Breadfruit	636.0	61/2.59	2.41	28.14	4723.33	1110.61	720
Persimmon	795.0	61/2.90		30.67	5837.8	1354.82	825
Grapefruit	1033.5	61/3.31	2.41	34.36	7470.79	1732.41	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 – CM /Watt-CM.
Wind speed 2ft/sec. In sun.



PHILFLEX®



No. 1 Wires & Cables Brand

Serving the Local & Global Market
A True Super Brand!

