

# WP

## Polacen Aluminum Cable



### Description

The WP Polacen is an aluminum AAC, ACSR and AAAC conductor; with insulation either thermoplastic (PE) or thermoset black crosslinked polyethylene (XLPE).

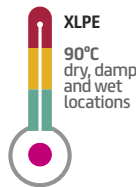
### Standard Specifications

The WP Polacen conductors are built based on the following:

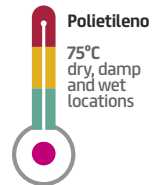
- Standards: ASTM B230, B231, B398, B399 and ANSI/ICEA S-95-658.
- Certificate: CIDET # 03543.

### Features

- The WP cables are designed with a high resistance thermoset cross-linked polyethylene insulation (XLPE) to be installed on dry, damped or wet locations



at temperatures not exceeding 90°C, and 1000 V or with thermoplastic Polyethylene designed to operate at 75°C and 600 V maximum operating voltage.



- The WP tensile capability depends on the core conductor: AAC lower tensile and ACSR / AAAC higher tensile.
- The carbon black insulation content provides UV resistance, allowing product installation directly exposed to sun light.

### Applications

- The WP conductors are designed mainly for secondary aerial power distribution in highly contaminated urban areas.
- The XLPE crosslinked insulation provides high-performance during overload and short-circuit conditions.

## Technical Information

### Dimensions and nominal features

The conductor operating amperage is defined by the installation condition and operating temperatures identified. See Table 6 on Ampacities for Aluminum & ACSR Overhead Electrical Conductors issued by the Aluminum Association.

WP Polacen Aluminum Cable with AAC Conductors						
Code	Gauge	Wires	Diameter	Insulation Thickness	Diameter	Weight
	AWG/kcmil	#	mm	mm	mm	kg/km
Apple	6	Sólido	4,11	1,14	6,39	54
Plum	6	7	4,66	1,14	6,94	60
Pear	4	Sólido	5,19	1,14	7,47	79
Apricot	4	7	5,88	1,14	8,16	88
Peach	2	7	7,42	1,14	9,70	130
Quince	1/0	7	9,36	1,52	12,40	210
Haw	1/0	19	9,46	1,52	12,50	207
Orange	2/0	7	10,51	1,52	13,55	257
Ironwood	2/0	19	10,63	1,52	13,67	250
Fig	3/0	7	11,80	1,52	14,84	316
Lemon	3/0	19	11,94	1,52	14,98	307
Olive	4/0	7	13,25	1,52	16,29	389
Pomegranate	4/0	19	13,40	1,52	16,44	380
Sassafras	250	19	14,57	2,03	18,63	364
Mulberry	266,8	19	15,05	2,03	19,11	480
Basswood	300	19	15,96	2,03	20,02	535

Note: The values given may vary according to the manufacturing tolerances



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