



# Weatherproof ACSR - PE and XLP

## Product Description

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

## 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	
Walnut	6	6/1	30	258	1130	47	47	105
Butternut	4	6/1	30	310	1770	72	72	135
Hickory	4	7/1	30	317	2240	83	83	135
Pignut	2	6/1	45	406	2710	118	118	180
Beech	2	7/1	45	415	3460	136	136	180
Chestnut	1	6/1	45	444	3370	145	145	210
Almond	1/0	6/1	60	518	4160	190	190	235
Pecan	2/0	6/1	60	567	5040	233	233	270
Filbert	3/0	6/1	60	622	6290	288	288	305
Buckeye	4/0	6/1	60	683	7930	357	357	345
Hackberry	266.8	18/1	60	729	6540	354	354	435

+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 1350-H19 wire for electrical purposes
ASTM B-231	Concentric-lay-stranded aluminum conductors, coated-steel reinforced (ACSR)
ASTM B-1248	Polyethylene plastics molding and extrusion materials
ANSI 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

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