



POLY ACSR

POLY ALL ALUMINUM CONDUCTORS STEEL REINFORCED

PE insulated 75°C, 600 Volts.
Stranded sizes AWG # 6 to 266.8 MCM

- Specifications** PHILFLEX Type POLY ACSR meets and exceeds applicable ASTM B 232 specification & ANSI / ICEA-S-70-547 specification.
- Application** PHILFLEX Type POLY ACSR conductors are primarily used in overhead distribution lines. Installed on insulators, other wise treated as bare conductor.
- Construction** PHILFLEX Type POLY ACSR conductors are concentrically stranded according to ASTM B 232. Covered with weather resistant black polyethylene compound.



Code Name	Size	Stranding No. / mm		Insul. Thick.	Approx. Over-all Diameter	Rated Strength	Approx. Cable Weight	Allowable Ampacity + (Amps) ++
	AWG / MCM	Al.	Steel	mm	mm	kg	Kg / km	A
Walnut	6	6 / 1.68	1.68	0.76	6.56	513.02	70.37	105
Butternut	4	6 / 2.12	2.12		7.88	801.51	107.36	135
Hickory	4	7 / 1.96	2.61		8.01	1 016.97	126.40	135
Pianut	2	6 / 2.67	2.67	1.14	10.30	1 228.35	175.69	180
Beech	2	7 / 2.47	3.30		10.53	1 568.55	207.41	180
Chestnut	1	6 / 3.00	3.00		11.28	1 529.99	215.79	210
Almond	1/0	6 / 3.37	3.37	1.52	13.16	1 887.43	282.97	235
Pecan	2/0	6 / 3.78	3.78		14.39	2 288.41	347.03	270
Filbert	3/0	6 / 4.25	4.25		15.80	2 852.69	429.97	305
Buckeye	4/0	6 / 4.77	4.77		17.36	3 598.41	532.19	345
Hackberry	266.8	18/3.09	3.09		18.50	2 964.73	532.34	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 – CM/Watt-CM.
Wind speed 2ft/sec. In sun.



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