

ACSR-II BARE CONDUCTORS ELECTRICAL DATA

Codeword	Size (AWG or kcmil)	Resistance				Reactance at 60 Hz**			
		DC at 20°C (ohm/kft)	AC at 25°C (ohm/kft)	AC at 50°C (ohm/kft)	AC at 75°C (ohm/kft)	Capacitive (megohm-kft)	Inductive at 25°C (ohm/kft)	Inductive at 50°C (ohm/kft)	Inductive at 75°C (ohm/kft)
ACSR-II Turkey	6	0.3210	0.3280	0.3750	0.4080	0.5660	0.1070	0.1170	0.1190
ACSR-II Swan	4	0.2020	0.2060	0.2400	0.2610	0.5300	0.1020	0.1100	0.1130
ACSR-II Swanate	4	0.1990	0.2040	0.2320	0.2580	0.5250	0.1010	0.1060	0.1090
ACSR-II Sparrow	2	0.1270	0.1300	0.1540	0.1680	0.4930	0.0967	0.1040	0.1060
ACSR-II Robin	1	0.1010	0.1030	0.1240	0.1350	0.4750	0.0938	0.1000	0.1020
ACSR-II Raven	1/0	0.0796	0.0816	0.0986	0.1080	0.4570	0.0911	0.9600	0.0973
ACSR-II Quail	2/0	0.0632	0.0651	0.0808	0.0880	0.4390	0.0886	0.0937	0.0945
ACSR-II Pigeon	3/0	0.0502	0.0517	0.0647	0.0723	0.4200	0.0861	0.0906	0.0912
ACSR-II Penguin	4/0	0.0398	0.0411	0.0533	0.0579	0.4030	0.0833	0.0875	0.0878
ACSR-II Waxwing	266.8	0.0322	0.0329	0.0362	0.0394	0.3900	0.0794	0.0794	0.0794
ACSR-II Partridge	266.8	0.0319	0.0326	0.0357	0.0389	0.3820	0.0777	0.0777	0.0777
ACSR-II Merlin	336.4	0.0255	0.0261	0.0287	0.0313	0.3720	0.0768	0.0768	0.0768
ACSR-II Linnet	336.4	0.0253	0.0259	0.0284	0.0310	0.3640	0.0750	0.0750	0.0750
ACSR-II Oriole	336.4	0.0251	0.0257	0.0281	0.0307	0.3590	0.0741	0.0741	0.0741
ACSR-II Chickadee	397.5	0.0216	0.0222	0.0243	0.0264	0.3590	0.0748	0.0748	0.0748
ACSR-II Ibis	397.5	0.0214	0.0219	0.0241	0.0262	0.3510	0.0731	0.0731	0.0731
ACSR-II Pelican	477	0.0180	0.0185	0.0203	0.0221	0.3450	0.0727	0.0727	0.0727
ACSR-II Flicker	477	0.0179	0.0184	0.0202	0.0220	0.3390	0.0714	0.0714	0.0714
ACSR-II Hawk	477	0.0178	0.0183	0.0201	0.0219	0.3360	0.0710	0.0710	0.0710
ACSR-II Hen	477	0.0177	0.0181	0.0199	0.0217	0.3320	0.0701	0.0701	0.0701

* For single-aluminum-layer ACSR, the AC values are approximate, based on assumed current for 75°C, 75% of assumed current for 50°C, and 10% of assumed current for 25°C. Reactances for multi-layer conductors are not temperature dependent. Data is adapted from conventional ACSR data given in Tables 4-15 and 4-16 of Aluminum Electrical Conductor Handbook, Second Edition, published by the Aluminum Association.

** Reactance at 1 foot equivalent spacing.