

Table 18.8 ACSR conductors inductive reactance, Ω/km (equivalent spacings given) (*IEE Proc*, Vol. 133, Pt. C, No. 7, November 1986)

Equivalent Al area (mm ²)	25	30	100	125	150	175	200	250	300	
Stranding	6/1/2.36	6/1/3.35	6/1/4.1	6/4.72 + 7/1.57	30/7/2.36	30/7/2.59	30/7/2.79	30/7/3.0	30/7/3.35	30/7/3.71
Current (temperate) A	157	242	311	371	429	482	528	579	664	755
Current (tropical) A	130	198	253	299	343	384	419	457	521	587
R Ω/km (20°C)	1.093	0.5426	0.3622	0.2733	0.2203	0.1828	0.1576	0.1362	0.1093	0.08911
R Ω/km (75°C)	1.317	0.6539	0.4365	0.3294	0.2655	0.2203	0.1899	0.1641	0.1317	0.1074
0.3 m spacing (415 V)	0.298	0.276	0.263	0.253	0.239	0.233	0.229	0.224	0.217	0.211
1.4 m spacing (11 kV)	0.395	0.373	0.360	0.350	0.336	0.330	0.326	0.321	0.314	0.308
1.5 m spacing (33 kV)	0.399	0.377	0.364	0.355	0.340	0.335	0.330	0.325	0.318	0.312
3.0 m spacing (66 kV)	0.442	0.420	0.408	0.398	0.384	0.378	0.373	0.369	0.362	0.356
3.6 m spacing (110 kV)	0.454	0.432	0.419	0.410	0.395	0.390	0.385	0.380	0.373	0.367
4.9 m spacing (132 kV)	0.473	0.451	0.439	0.429	0.415	0.409	0.404	0.400	0.393	0.386