



052 AWA Alumoweld Aluminum Messenger Wire

PHYSICAL DATA

1	Stranding	2 Aluminum Strands 5 Alumoweld Strands	
2	Overall Diameter	0.486"	(12.34 mm)
3	Strand Diameter	0.162"	(4.11 mm)
4	Weight	346 lbs./1000ft	(515 kg/km)
5	Breaking Strength	17120 lb.	(7765 kg)
6	Cross Sectional Area	0.1443 in ²	(93.1 mm ²)
7	GMR	0.003238 ft.	(0.987 mm)

ELECTRICAL DATA

1	AC Resistance @25°C:	0.1823 Ω/1000ft	(0.5981 Ω/km)
2	DC Resistance @ 20°C:	0.1785 Ω/1000ft	(0.5857 Ω/km)
3	Ampacity*:	253 Amps	
4	Inductive Reactance (X _a):	0.1322 Ω/1000ft	(0.4337 Ω/km)
5	Conductivity (IACS):	32.01 %	

*75°C Conductor, 25°C Ambient, 2 ft/sec. (0.6096 m/s) Wind, Sun