



0052 AWA Alumoweld Aluminum Messenger Wire

PHYSICAL DATA

1	Stranding	2 Aluminum Strands 5 Alumoweld Strands	
2	Overall Diameter	0.546"	(13.87 mm)
3	Strand Diameter	0.1819"	(4.62 mm)
4	Weight	436 lbs./1000ft	(649 kg/km)
5	Breaking Strength	20420 lb.	(9262 kg)
6	Cross Sectional Area	0.1819 in ²	(117.35 mm ²)
7	GMR	0.01649758648375	(5.028 mm)

ELECTRICAL DATA

1	AC Resistance @25°C:	0.1454 Ω/1000ft	(0.4771 Ω/km)
2	DC Resistance @ 20°C:	0.1415 Ω/1000ft	(0.4643 Ω/km)
3	Ampacity*:	292 Amps	
4	Inductive Reactance (Xa):	0.0944 Ω/1000ft	(0.3097 Ω/km)
5	Conductivity (IACS):	32.01 %	

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