



0000127 AWA Alumoweld Aluminum Messenger Wire

PHYSICAL DATA

1	Stranding	7 Aluminum Strands	12 Alumoweld Strands
2	Overall Diameter	0.7215"	(18.33 mm)
3	Strand Diameter	0.1443"	(3.67 mm)
4	Weight	699 lbs./1000ft	(1041 kg/km)
5	Breaking Strength	32670 lb.	(14819 kg)
6	Cross Sectional Area	0.3107 in ²	(200.45 mm ²)
7	GMR	0.0234 ft.	(7.132 mm)

ELECTRICAL DATA

1	AC Resistance @25°C:	0.0794 Ω/1000ft	(0.2605 Ω/km)
2	DC Resistance @ 20°C:	0.0741 Ω/1000ft	(0.2431 Ω/km)
3	Ampacity*:	431 Amps	
4	Inductive Reactance (X _a):	0.0863 Ω/1000ft	(0.2832 Ω/km)
5	Conductivity (IACS):	35.39 %	

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