



7#8 AW Alumoweld Aluminum Messenger Wire

PHYSICAL DATA

1	Stranding	7 Alumoweld Strands	
2	Overall Diameter	0.385"	(9.78 mm)
3	Strand Diameter	0.1285"	(3.26 mm)
4	Weight	262 lbs./1000ft	(390 kg/km)
5	Breaking Strength	15930 lb.	(7226 kg)
6	Cross Sectional Area	0.0908 in ²	(58.58 mm ²)
7	GMR	0.002085 ft.	(0.636 mm)

ELECTRICAL DATA

1	AC Resistance @25°C:	0.4622 Ω/1000ft	(1.5165 Ω/km)
2	DC Resistance @ 20°C:	0.4458 Ω/1000ft	(1.4627 Ω/km)
3	Ampacity*:	151 Amps	
4	Inductive Reactance (Xa):	0.1419 Ω/1000ft	(0.4656 Ω/km)
5	Conductivity (IACS):	20.33 %	

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