



7#6 AW Alumoweld Messenger Wire

PHYSICAL DATA

1	Stranding	7 Alumoweld Strands	
2	Overall Diameter	0.486"	(12.34 mm)
3	Strand Diameter	0.162"	(4.11 mm)
4	Weight	416 lbs./1000ft	(620 kg/km)
5	Breaking Strength	22730 lb.	(10310 kg)
6	Cross Sectional Area	0.1443 in ²	(93.1 mm ²)
7	GMR	0.002633 ft.	(0.803 mm)

ELECTRICAL DATA

1	AC Resistance @25°C:	0.291 Ω/1000ft	(0.9548 Ω/km)
2	DC Resistance @ 20°C:	0.2803 Ω/1000ft	(0.9197 Ω/km)
3	Ampacity*:	201 Amps	
4	Inductive Reactance (Xa):	0.1366 Ω/1000ft	(0.4482 Ω/km)
5	Conductivity (IACS):	20.33 %	

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