



**19#8 AW Alumoweld Messenger Wire**

### PHYSICAL DATA

1	Stranding	19 Alumoweld Strands	
2	Overall Diameter	0.642"	(16.31 mm)
3	Strand Diameter	0.1285"	(3.26 mm)
4	Weight	714 lbs./1000ft	(1063 kg/km)
5	Breaking Strength	43240 lb.	(19613 kg)
6	Cross Sectional Area	0.2464 in <sup>2</sup>	(158.97 mm <sup>2</sup> )
7	GMR	0.003478 ft.	(1.06 mm)

### ELECTRICAL DATA

1	AC Resistance @25°C:	0.1712 Ω/1000ft	(0.5617 Ω/km)
2	DC Resistance @ 20°C:	0.1649 Ω/1000ft	(0.541 Ω/km)
3	Ampacity*:	283 Amps	
4	Inductive Reactance (Xa):	0.1302 Ω/1000ft	(0.4272 Ω/km)
5	Conductivity (IACS):	20.33 %	

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