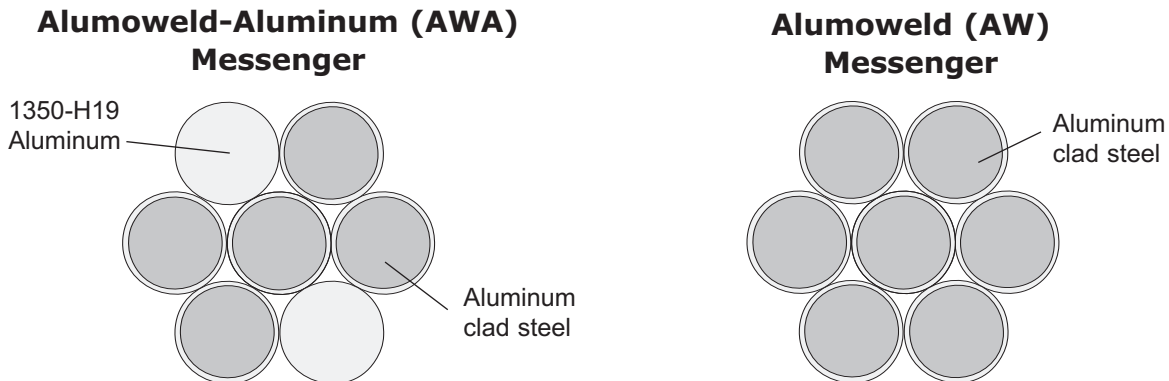


Messenger Wire – Spacer Cable Systems

Description:

Messenger wire is the support member of the Hendrix Spacer Cable System. Two types of messenger wires are available. Alumoweld-Aluminum (AWA) messenger wire has aluminum clad steel strands and 1350-H19 all aluminum strands. Alumoweld (AW) messenger wire has all strands made of aluminum clad steel.



Benefits:

- Provides protection from falling branches
- May be used as the system neutral
- Provides lightning protection when properly grounded
- Better corrosion resistance than galvanized steel wire

Application:

AWA messenger is recommended in most cases because it has high strength and high conductivity. AW messenger is recommended when a higher strength messenger is needed. Messenger wire is pulled in and tensioned prior to conductor installation.

Physical & Electrical Data:

Messenger Size	Equivalent Conductivity	Ampacity* (amps)	Overall Diameter (inches)	Alumoweld Wires No. x dia. (in)	Aluminum Wires No. x dia. (in)	Weight (lbs/1000 ft)	Breaking Strength (lbs)
252 AWA	#2 AL	180	0.385	5 x 0.1285	2 x 0.1285	218	11,960
7 No. 8 AW	#4 AL	145	0.385	7 x 0.1285	—	262	15,930
052 AWA	1/0 AL	240	0.486	5 x 0.1620	2 x 0.1620	346	17,120
7 No. 6 AW	#2 AL	190	0.486	7 x 0.1620	—	416	22,730
0052 AWA	2/0 AL	280	0.546	5 x 0.1819	2 x 0.1819	436	20,420
0000127 AWA	4/0 AL	430	0.722	12 x 0.1443	7 x 0.1443	699	32,670

* Ampacity based on 75°C conductor, 25°C ambient, 2 ft/sec wind and sun.