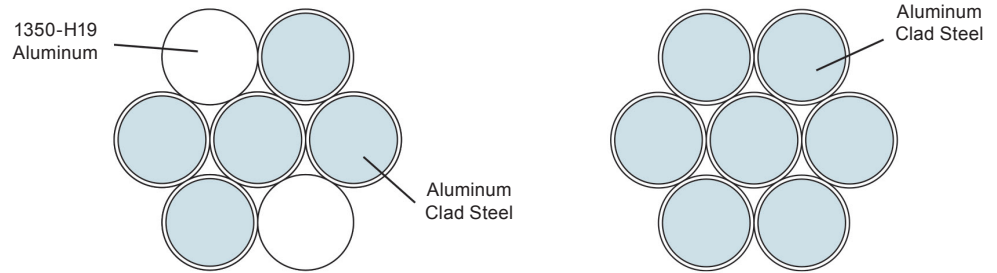


# Messenger



## Construction

The messenger serves as the support member for a Covered Aerial MV Cable System. Two constructions of messenger are offered: AWA (Alumoweld-Aluminum) messengers and Alumoweld (AW) messengers. The strands used to manufacture these types of messengers are either all Aluminum Clad steel wires or a combination of Aluminum Clad steel wires and 1350-H19 Aluminum wires.

## Features

- High Strength to Weight
- Equivalent Conductivity to Bare Aluminum
- Helps Protect Covered Conductors from Physical Damage
- Superior Corrosion Resistance
- Acts as a Static Wire to Help Protect Conductors from Lightning

## Application

The messenger is used to support the Covered Aerial MV System. Installation of the messenger at the proper tension will result in a system that has a high degree of reliability. The messenger's strength helps protect the system from falling trees and branches as well as continue to support the cable during high wind loads and icing conditions.

## Specification

ASTM B415  
ASTM B416

Southwire Stock #	Description	Hendrix Cat #	Equivalent Conductivity	Ampacity*	Overall Diameter (in)	Alumoweld Wire x Dia. (in)	Aluminum Wires x Dia. (in)	Weight (lb/1000 ft)	Breaking Strength (lb)
61347399	2/0 0052 Alumoweld/ Aluminum	0052 AWA	2/0 Al	280	0.546	5 x 0.1819	2 x 0.1819	438	20,420
61342999	1/0 052 Alumoweld/ Aluminum	052 AWA	1/0 Al	240	0.486	5 x 0.1620	2 x 0.1620	347	17,120
61346999	#2 252 Alumoweld/ Aluminum	252 AWA	#2 Al	180	0.385	5 x 0.1285	2 x 0.1285	218	11,960
61347299	7x#6 AWG Alumoweld	7 no. 6 AW	#2 Al	190	0.486	7 x 0.1620	–	416	22,730
18513299	7x#8 AWG Alumoweld	7 no. 8 AW	#4 Al	145	0.385	7 x 0.1285	–	262	15,930

\* Ampacity Calculated with a 75°C Conductor Temp., 25°C Ambient Temp., 2 ft./sec Wind and Sun