

**Bellman-Melcor LLC**  
 7575 West 183rd Street  
 Tinley Park, Illinois 60477  
**Phone:** 1-800-367-6024 • **Fax:** 1.888.BRAZE-IT-272.9348  
**Email:** [sales@bellmanmelcor.com](mailto:sales@bellmanmelcor.com) • **Website:** [www.bellmanmelcor.com](http://www.bellmanmelcor.com)



### Item # ChannelFlux Silver® A-56T

ChannelFlux® Silver A56T is a highly effective substitute for Brazeit #45 and a flux integrated alternative to solid A56T brazing wire. It has the lowest flow point of the cadmium-free brazing alloys and offers outstanding flow and ductility. Great color match for stainless steel and silver. ChannelFlux® Silver A-56T has the lowest brazing temperature, best wetting, and best flow of all the cadmium-free brazing alloys. It has a slight plastic range which may be noticed during melting on some applications. Its low zinc content minimizes problems due to excessive heating (as in furnace brazing) or due to excessive heating (as by less skilled operators). For this reason, it is often preferred over Brazeit A35, Brazeit A45, or Brazeit A50 for furnace brazing, or any brazing operation where the alloy is molten for an extended period of time. It is often selected for use on silver or stainless steel due to its excellent color match. ChannelFlux® Silver A-56T is often used because it does not cause stress cracking of nickel, nickel alloys, or stainless steel as readily as the other low melting alloys. The fact that ChannelFlux® Silver A-56T is cadmium-free has led to its use on food handling equipment where cadmium can be hazardous and its use is prohibited by law. Operating temperature for ChannelFlux® Silver A-56T is up to 400 °F in continuous service and up to 600 °F in intermittent service. Where improved corrosion resistance is needed, ChannelFlux® Silver A50N and ChannelFlux® Silver A40N2 are recommended over silver based brazing alloys not containing nickel.

### Specifications

Minimum Order	1
Package Type	Each
Units Per Package	1
AWS A5.8	BAG-7
ASME	BAG-7
AMS	BAG-7
Silver (Ag)	56.0 ± 1.0%
Copper (Cu)	22.0 ± 1.0%
Zinc (Zn)	17.0 ± 2.0%
Tin (Sn)	5.0 ± 0.5%
Total Other Elements	0.15% Max.
Melting Pt.	618 °C 1145 °F
Flow Pt.	650 °C 1205 °F
MBT	1400
Color	White
Solidus	618 °C 1145 °F
Liquidus	652 °C 1205 °F
Brazing Range	652 to 760 °C 1205 to 1400 °F
Specific Gravity	9.49
Density	4.96 T.oz./cu.in.
Electrical Conductivity	11.9 % IACS
Electrical Resistivity	14.5 Micro ohm-cm
Applications	Typical applications are the joining of ferrous, nonferrous, and dissimilar metals and alloys with close joint clearances. Excellent replacement to cadmium containing alloys when low melt temperature is required. Good corrosion properties Color match to stainless.
	It is essential that adequate ventilation be provided so that personnel will not inhale gases and fumes

<b>Safety Information</b>	while brazing. The operation and maintenance of brazing equipment or facility should conform to the provisions of American National Standard (ANSI) Z49.1, "Safety in Welding and Cutting". For more complete information, refer to the Material Safety Data Sheet for Brazeit A-56T.
<b>Available Forms</b>	Standard forms for ChannelFlux Silver A-56T are brazing wire, brazing rod, and brazing preforms.
<b>Approx. Wire Length (BCuP/lb.) (BAg/Tr.oz)</b>	265 in; 0.031 diameter 29 in; 0.093 diameter 65 in; 0.062 diameter