



T H E H A R R I S P R O D U C T S G R O U P
A L I N C O L N E L E C T R I C C O M P A N Y
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TECHNICAL SPECIFICATION SHEET

ISO 9002
 Cert. No. 31598

HARRIS STAY BRITE® SILVER BEARING SOLDER

STATEMENT OF LIABILITY- DISCLAIMER

Any suggestion of product applications or results is given without representation or warranty, either expressed or implied. Without exception or limitation, there are no warranties of merchantability or of fitness for particular purpose or application. The user must fully evaluate every process and application in all aspects, including suitability, compliance with applicable law and non-infringement of the rights of others. The Harris Products Group and its affiliates shall have no liability in respect thereof.

NOMINAL SOLDER COMPOSITION:

Silver 3.6 - 4.4%
 Tin Remainder

PHYSICAL PROPERTIES: Mechanical properties of bulk solder

Solidus	430°F (221°C)	Electrical Conductivity	16.4
Liquidus	430°F (221°C)	Elongation	48%
Color	Bright Silver	Tensile Strength	14,000 psi
Shear Strength	10,600 psi		

SOLDERING PROPERTIES:

Stay Brite Silver Bearing Solder has excellent affinity to bond with all of the ferrous and non-ferrous alloys (including stainless steel, nickel, copper, brass, etc.). Has high elongation for sound metal joints and vibration applications.

AVAILABLE FORMS:

Standard wire diameters, Preformed rings, Paste

SPECIFICATION / CERTIFICATIONS COMPLIANCE: NSF 51

ASTM B32-89, Alloy Grade Sn96, Federal Spec. QQ-S-571E, Class Sn 96 with exception to QPL para. 3.1; J-STD-006, Sn96Ag04A

RECOMMENDED FLUX:

Stay Clean Paste Flux, Stay Clean Liquid Flux (used with 4" or larger copper tubing also stainless steels) Bridgit Water Soluble Paste Flux

WARNING: PROTECT yourself and others. Read and understand this information.

FUMES AND GASES can be hazardous to your health.

ARC RAYS can injure eyes and burn skin.

ELECTRIC SHOCK can KILL.

- Before use, read and understand the manufacturer's instructions, Material Safety Data Sheets (MSDS), and your employer's safety practices.
- Keep your head out of fumes.
- Use enough ventilation, exhaust at the arc, or both, to keep fumes and gases from your breathing zone and the general area.
- Wear correct eye, ear, and body protection.
- Do not touch live electrical parts.
- See American National Standard Z49.1, *Safety in Welding, Cutting, and Allied Processes*, published by the American Welding Society, 550 N.W. LeJeune Road, Miami, Florida 33126; OSHA Safety and Health Standards, available from the U.S. Government Office, Washington, DC 20402.

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Additional information available at our web site: www.harrisproductsgroup.com

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