THE HARRIS PRODUCTS GROUP
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TECHNICAL SPECIFICATION SHEET

ISO 9002
Cert. No. 31598

HARRIS STAY BRITE® ROSIN CORE 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	3.4- 3.8%
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 Rosin Core has about 3.3% flux core and is the finest electronic solder available. Stay Brite has excellent affinity to bond with all ferrous and nonferrous alloys, and should be used whenever optimum results are an absolute requirement. It offers an unsurpassed combination of advantages; extremely high electrical conductivity, high corrosion resistance of the alloy, and five times the strength of ordinary tin lead solders. It also has a high percentage of elongation for sound joints in vibration applications.

AVAILABLE FORMS:

1/16", 3/32", 1/8"
All are available in 1#, 5#, 25# spools

SPECIFICATION COMPLIANCE:

Federal Spec. QQ-S-571E, WRAP-3 Class Sn 96 with exception to QPL para. 3.1

RECOMMENDED FLUX:

Flux is generally not used with rosin core solders. The rosin itself acts as a flux. However, 505 neutral flux may be used in addition to ensure cleanliness of the base metal.

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

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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