

Halogen free flux cored solder wire

**S3X-60NH** Sn 3.0Ag 0.5Cu

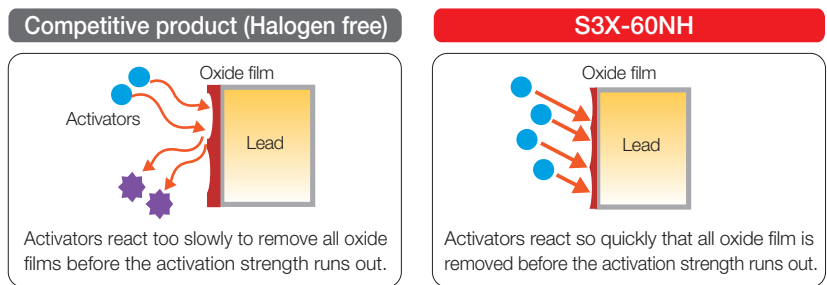


Quality wetting despite being halogen free

Improves reaction speed of the activators

S3X-60NH achieves sufficient wetting to heavily oxidized surfaces, mostly used in add on parts such as connector leads. This is done by drastically improving the reaction speed of removing oxide film.

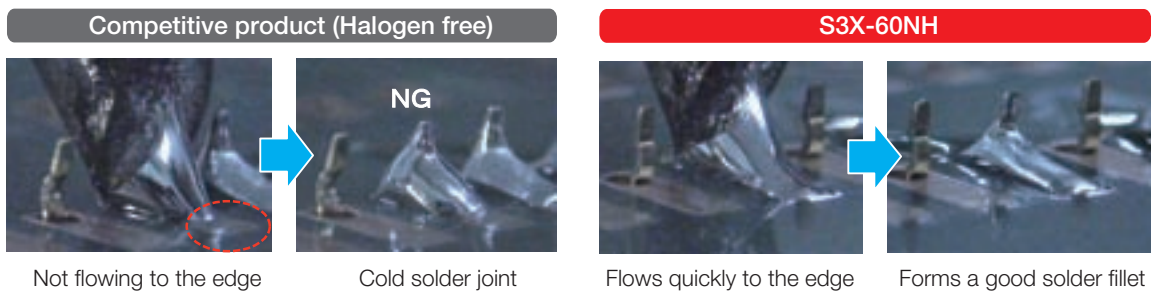
Figure 1. Behavior of activators removing oxide film



Excellent wetting performance

Figure 2. Image of flowing process to a connector lead

Material: Connector = Ni/Au Pad = Cu (4 x 1.5mm) Iron tip temperature: 370°C

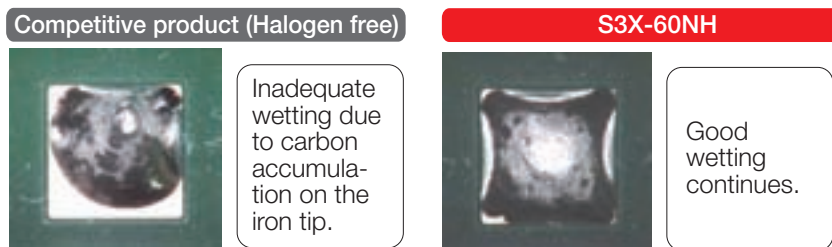


Decreases frequency of iron tip cleaning

S3X-60NH decreases the frequency of iron tip cleaning by minimizing the occurrence of carbon build up on the iron tips. This results in improving temperature transfer and thus production yield, too.

Figure 3. Continual shots w/t tip cleaning (Image of 35<sup>th</sup> shot)

Material: Pad = Cu (3 x 3mm) Iron tip temp. = 370°C Method = Shot by hand soldering w/t cleaning



| Product specifications |                                 |
|------------------------|---------------------------------|
| <b>Product name</b>    | <b>S3X-60NH</b>                 |
| Alloy composition (%)  | Sn 3.0Ag 0.5Cu                  |
| Melting point (°C)     | 217-219                         |
| Flux content (%)       | 3.0                             |
| Halide content (%)     | 0                               |
| Flux type              | ROLO                            |
| Diameter (mmφ)         | 0.3 0.4 0.5 0.6 0.8 1.0 1.2 1.6 |

- Halogen free
- Powerful wetting
- Anti spattering
- Applicable for robot soldering
- No clean type