

Alpha-Fry™ EGW-086

No-Clean Cored Solder Wire

DESCRIPTION

Alpha-Fry™ EGW-086 is a low residue cored solder designed for no-clean soldering applications that must meet all appropriate Bellcore specifications. The unique blend of rosin and proprietary activators provide rapid wetting while leaving minimal, optically clear, completely inert residue.

USE

Alpha-Fry™ EGW-086 is suitable for use in any commercial no-clean hand soldering application that must meet Bellcore Specification TR-NWT-000078.

Alpha-Fry™ EGW-086 activator system is effective in soldering to mildly oxidized surfaces of the following metals:

Cadmium (Plate)	Solder (Plate)
Copper	Solder (Hot Dip)
Gold	Tin (Hot Dip)
Silver	Tin (Plate)

RESIDUE REMOVAL

Alpha-Fry™ EGW-086 residues can be safely left on the board per Bellcore Specification TR-NWT-000078. If required, residues can be readily removed using solvents, saponifiers or semi-aqueous cleaners.

COMPANION LIQUID FLUX PRODUCT

If you choose to use a companion liquid flux, Alpha-Fry™ EGF-540 is recommended in order to provide the optimal combination of high long-term reliability and low residue level.

TECHNICAL SPECIFICATIONS

Physical Properties	Typical Values
Softening Point	71°C (160°F)
Rosin Grade	WW per Fed. Spec. LLL-R-626
Water Extract Resistivity	40,000 ohm-cm, typical
Corrosiveness	Passes Copper Mirror; Passes IPC-TM-650 Copper Corrosion for Type L
Halide Content	Passes Silver Chromate Paper Test
Surface Insulation Resistance	Passes IPC-TM-650 2.6.3.3, Meets Bellcore Spec. TR-NWT-000078, Issue 3
Electromigration	Passes visual and electrical
J-STD-004 Classification	ROL0
IPC-TM-650	2.6.3.3
ISO 12224	1.1.2
Shelf Life / Storage Temperature	36 months / 10°C - 40°C

AVAILABILITY

Alloy	Sn96.5Ag3.0Cu0.5 Sn99.0Ag0.3Cu0.7 Sn99.3Cu0.7 Sn63/Pb37 Sn60/Pb40
Flux %	P2 (2.2%) & P3(3.3%)
Diameter (mm)	0.50, 0.60, 0.80, 1.00, 1.20 & 1.50 mm
Spool Size	0.50 or 1.00kg

* Note : Alpha-Fry™EGW-086 is only available in the EGS alloys as list above.



HEALTH AND SAFETY

Alpha-Fry™ EGW-086 is not considered toxic; however, its use in typical soldering processes will generate a certain amount of decomposition and reaction product fumes. These fumes must be adequately exhausted for operator safety and comfort. Please refer to the Material Safety Data Sheet as the primary source of health and safety information.