

## Electr-O-Fuze™ Splice Kit, UL971 Listed

### Product Description

Electr-O-Fuze™ Splice Fitting assemblies are safe and reliable proven electrofusion fittings. The Assembly comprises of various electrofusion reducers with an extension over sleeve pipe in order to maintain the secondary pipe over the primary fuel pipe. When used in conjunction with Electr-O-Fuze™ pipe and an Electr-O-Fuze™ EF welding machine, it provides a UL971 compliant fuel installation with a 30 year life span.

The splice is covered using the over sleeve pipe, which is sealed to the secondary pipe using electrofusion reducers. These reducers when welded form part of the secondary pipe resulting in a permanent leak tight over sleeve for the primary coupler, providing a continuous interstitial space over the joint. These fittings can be used in direct bury applications or in a sump as the welds form part of the pipe.



### Applications

- Service Stations
- Marinas
- Fuel Terminals
- Moist & Marshy Areas
- Refineries
- Harbors
- Airports
- Non-Contaminated & Contaminated Sites

### Specifications

- Fitting Type: Matched electrofusion fittings are utilized throughout the pipeline system in order to join the various pieces. Deep sockets and ‘safe’ low voltage operation (42V), applied through dedicated ancillary equipment ensures maximum joint integrity. Fusion indicators monitor the joint melt pressure, while absolute security of the weld is ensured using the fittings bar code.
- Temperature Range: Fittings can be worked with at ambient temperatures between –24°F and 160°F.
- Pipe Fusion Range: The fittings can be fused to pipe of SDR stages 17.6 to 7.4 in accordance with DIN 8074 (E), ISO 4437, pr EN 1555 and DIN EN 12201 (E).
- Operating Pressures: 150psi primary, 50psi secondary with EF test boots & 5psi with rubber test boots.
- Test Pressure: Primary >60psi <150psi; Secondary 50psi with EF test boots & 5psi with rubber test boots.
- Approved Fuel Types: All Petroleum Products (*Motor Vehicle Fuels, High Blend Fuels, Concentrated Fuels, Aviation & Marine Fuels*) E85 and Biodiesel.

### Installation

Installation, use, and maintenance of all Electr-O-Fuze™ products shall be in accordance with the manufacturer’s recommendations, State and County approvals. In event of conflicts, the stricter requirement shall govern. AEP installation manual available directly from AEP, or at [info@aep-inc.net](mailto:info@aep-inc.net). All operators to be AEP certified on both the fittings and electrofusion machine.

### Certifications/Approvals

- UL 971 Approved File # MH47372
- Institute of Petroleum Cert # BC63/1010/98/001 And cert # BC63/0115/2000/001
- Shell Int. Procurement Cert. Cert # BC63/1010/98/002
- State of Florida EQ 683 and EQ 617 – and Derm Approval
- State of Michigan MUSTR – Rule 9, subsections 280.20 (b)
- New York City Fire Dept. CoA 5117
- DVGW Permit VP 607, with decisions DV-8601AU2248, DV-8606AU2249 and DV-8611AU2250
- Factory Permit DIN EN 10 204-3.1
- State of California CARB, State Fire Marshall Cert # GVRC 005:060:001

**Drawing Notes:**

No.	Description:
1	Secondary Pipe
2	Primary Electrofusion Coupler
3	Primary Pipe
4	Secondary Electrofusion Closure
5	Spool Pipe

Diam. NB* Inches	Diam. OD** Metric	Part #	Dim W		Dim L	
			mm	in.	mm	in.
1"	32mm	SPLK-032EF	82.5	3.75	254	10
1 1/4"	40mm	SPLK-040EF	127	5	363	14.3
1 1/2"	50mm	SPLK-050EF	152.4	6	393.7	15.5
2"	63mm	SPLK-063EF	152.4	6	354	10
3"	90mm	SPLK-090EF	203.2	8	508	20

(\*) Nominal Bore  
 (\*\*) Outside Diameter  
 [Size Based on Estimated Minimum Standards, Subject to Change without Notice]

REV	DATE	DESCRIPTION	SPECIFICATION REV 2
A	31/03/2002		

SCALE : NTS DATE : Jan 07  
 DRAWN : G Boyazis  
 APPROVED :  
 DRAWING NO. : SSD-0019 Con

PROJECT : STANDARD DETAILS  
 DRAWING Primary/Secondary Connection  
 SPLICE KIT

**ADVANTAGE EARTH PRODUCTS INC.**