



**Flight Light Inc.**  
 2708 47th Ave.  
 Sacramento, California, U.S.A.  
 95822-3806



**Series Isolation  
 Transformers  
 FAA L-830 / L-831**

**PH (916) 394-2800    FX (916) 394-2809**  
**TF (800) 806-3548    EM info@flightlight.com**

**Compliance and Applications**

FAA L-830, AC 150/5345-47  
 Series isolation transformers are used to isolate high operating voltages for constant current lamps in series circuits.

**Features**

- Our transformers are made of flat laminations in an ETI formation for 6.6A and 20A applications.
- Encapsulated in synthetic rubber for durability and dielectric strength. Waterproof assembly suitable for above ground installation or direct burial.
- Two Primary Leads: terminated with molded L-823 Style 2 (male) and Style 9 (female) connectors. Standard length 24", 8/1 cable. Rated to 25A and 5,000V.

- One Secondary Lead: terminated with a molded L-823 Style 8 (female) connector, "ball-type". Optional Style 7 (female) connector, "straight design" for use with signs and extension cords. Standard length 48", 12/2 600V cable. Rated to 20A and 600V.
- Optional ground (earthing) lead (1). 36" long #12 AWG 600V ground lead, terminated in a ring terminal. To order add the letter G to the model number.
- All transformers undergo 100% quality testing before they are shipped: visual inspection, HIPOT after heating and 12 hour soaking (15,000V primary, 5,000V secondary), and ratio testing.



*Isolation Transformer*

**Product Specifications:**

FAA 60 Hz Part #	FAA 50 Hz* Part #	Watts	Prim. Amps	Sec. Amps	Weight (lb.)	Volume (cu. ft.)
TR-L830-1	TR-L831-1	30/45W	6.6	6.6	6.5	.2
TR-L830-2	TR-L831-2	30/45W	20	6.6	6.5	.2
TR-L830-3	TR-L831-3	65W	6.6	6.6	7	.2
TR-L830-4	TR-L831-4	100W	6.6	6.6	10	.4
TR-L830-5	TR-L831-5	100W	20	6.6	10	.4
TR-L830-6	TR-L831-6	200W	6.6	6.6	11	.4
TR-L830-7	TR-L831-7	200W	20	6.6	11	.4
TR-L830-8	TR-L831-8	300W	6.6	20	22	.6
TR-L830-9	TR-L831-9	300W	20	20	22	.6
TR-L830-10	TR-L831-10	300W	6.6	6.6	22	.6
TR-L830-11	TR-L831-11	300W	20	6.6	22	.6
TR-L830-12	TR-L831-12	500W	20	6.6	24	.7
TR-L830-13	TR-L831-13	500W	20	20	24	.7
TR-L830-14	TR-L831-14	500W	6.6	6.6	24	.7
TR-L830-16	TR-L831-16	10/15W	6.6	6.6		
TR-L830-17	TR-L831-17	20/25W	6.6	6.6		
TR-L830-18	TR-L831-18	150W	6.6	6.6	11	.4

\* To order ground (earthing) lead add the letter G to the model number.

**Visit our web site: [www.flightlight.com](http://www.flightlight.com)**



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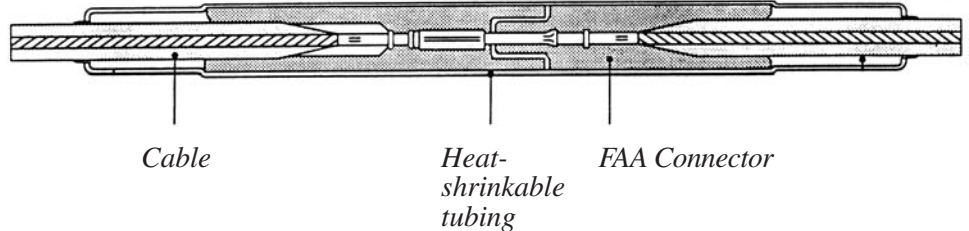


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**3M**  
**Heat Shrink Kits "HSK"**

### Application and Description

The Heat Shrink Kit is a heat-shrinkable tubing for insulating and sealing electrical connections. The medium wall tubing is designed for a variety of low voltage cable applications where lighter weight and greater flexibility are important. The tubing is made from a thermally stabilized, modified polyolefin.



### Why Our Heat Shrink Kit is Better

- Mechanical protection: high impact and abrasion resistance of tubing provides excellent mechanical protection. It also provides additional strain relief.
- Environmental seal: sealant provides excellent waterproofing and environmental protection in submersible and buried applications.
- Superior adhesion: thermoplastic adhesive will adhere to all standard plastic, elastomeric insulating material, lead, steel, aluminum and copper.
- Easy to install: when heated above 248°F (120°C), the tubing shrinks rapidly to seal and encapsulate electrical connections. This provides a fast, simple and clean insulation system. The tubing will not split or rupture during normal installation, even when overheated.

### Technical Data:

- Dielectric strength: 350 V/Mil (ASTM D2671)
- Dielectric constant: 5.0 (ASTM D150)
- Temperature rating: -67°F to 194°F (-55°C to 90°C)
- Fluid resistance: Good to excellent (MIL-I-23053)
- Water absorption (Max): .1% (ASTM D570)

Ordering Code*	Dia.	Application Range	Length	Adhesive
TRH-HSK-1.1	1.1"	.45-1.00"	15"	End to end (1 piece)
TRH-HSK-1.3	1.3"	.55-1.30"	15"	End to end (1 piece)
TRH-HSK-1.1-AE	1.1"	.45-1.00"	15"	3" each end (1 piece)
TRH-HSK-1.3-AE	1.3"	.55-1.40"	15"	3" each end (1 piece)

\* Note: Use 1.1" diameter HSK for Integro primary connector kit.  
 Use 1.3" diameter HSK for Amerace primary connector kit.

**Do you have any questions?  
 Please call  
 1-800-806-3548**

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