



Flight Light Inc.
 2708 47th Ave.
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 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.
 ** Not FAA Approved.

Visit our web site: www.flightlight.com



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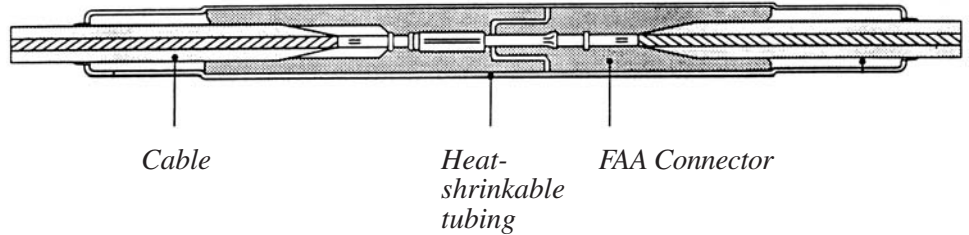


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3M
Heat Shrink Kits "HSK"

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

Visit our web site: www.flightlight.com