



## **DRAFT FOR REAFFIRMATION REVIEW**

### **E1.16 – 2002 (R202x)** Entertainment Technology Configuration Standard for Metal-Halide Ballast Power Cables

EP/2000-7007r6

This edition of ANSI E1.16 is a reaffirmation of ANSI E1.16-2002. This reaffirmation was approved as an American National Standard by the ANSI Board of Standards Review on \_\_\_\_\_.

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The Electrical Power Working Group was the consensus body for the development of this standard. The working group's membership when this document was approved as an American National Standard .

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- G general interest
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## 1 Scope

This standard describes a standard practice for grounding contact assignment for detachable power cables on 6 kW, 12 kW and 18 kW metal-halide lamp ballasts used in the motion picture and television industries on portable studio luminaires that use the MIL-C-5015 or MIL-DTL-5015 connectors with #28-6 insert configuration on the ballast end of the power cable.

## 2 Purpose

The use of a standardized pin assignment will reduce the possibility of ballast chassis to ungrounded power conductor connections caused by mismatched cables and ballasts.

## 3 Requirements

Connectors on detachable power cables for use on 6kW, 12kW and 18kW metal-halide lamp ballasts with MIL-C-5015 or MIL-DTL-5015 equivalent #28-6 insert configurations (one-piece construction) and contact configuration (screw machine) shall designate the "A" position as the grounding contact. This shall be extended for mate first/break last operation.

Front view of the Plug connector

