

Film crew electrical distribution box



Article Overview

A film crew electrical distribution box is a rugged, portable unit that safely distributes power from a main source to multiple devices on set, ensuring reliable operation for lighting, cameras, and other equipment.

Purpose and Function

Electrical distribution boxes, often called distro boxes, are essential on film sets to manage power safely and efficiently. They take a high-capacity input, such as a 3-phase feed, and split it into multiple outputs for lighting rigs, cameras, monitors, and other equipment. Each output is typically protected by circuit breakers to prevent overloads, and the boxes often include a master breaker for overall safety . They allow crews to plug in multiple devices without overloading a single circuit, which is critical for both safety and uninterrupted production .

Key Features

- **Durability and Safety:** Most distro boxes are built from impact-resistant materials like solid rubber or metal, double-insulated, and weatherproof for outdoor shoots .
- **Load Management:** Boxes come in various ratings, from compact 16A and 32A units to large 400A systems, allowing crews to match the box to the production's power demands .
- **Circuit Protection:** Individual breakers for each outlet prevent overloading, and some units include GFCI outlets for additional safety .
- **Portability:** Lightweight and compact designs make them easy to transport between locations, while larger units may be rack-mounted for OB trucks or studio galleries .

Article Content

Master Electrician: Role, Salary & Career Path in Electrical

The role of a Master Electrician encompasses a range of responsibilities that are crucial for the successful lighting of a

Electrician: Role, Salary & Career Path in Electrical

How much does a Electrician make? Learn the Electrician role, responsibilities, day rate, and career path in the

Distribution centers

Some common configurations are described in Table 14.3. Almost all boxes are available in either single-phase or three-phase

Power & Distribution

PD consists of the the electrical wiring, the distribution housing boxes (distro box) and the service

Temporary Power Distribution Boxes for Electrical Installation

Temporary power distribution boxes for flexible electrical installation. Robust solutions for construction sites, events and temporary

Distribution Boxes

Professional electrical distribution box designed for safe power distribution on film and television sets. Features multiple outlets,

Distro Box Quick Reference

Distro Boxes are used to split the big and medium sized feeders into multiple feeds to allow power

Electrical Safety - FSUFILM Handbook

Electrical safety practices are essential because improper equipment handling can result in injury, fire, equipment damage, or unsafe

How to distribute power supply in film set through the generator

Genrator (3-phase plant) > 5-wire Camlok cable > Distribution box > 100-amp or 60-amp bates > 5k/10k lamp or Lunchbox (bigger

Set Lighting Technician's Handbook: Film Lighting

Seth Greenspan, Filmcrew Magazine The Set Lighting Technician s Handbook is a friendly,

Power Distribution Boxes | Electrical Power Distros | Rubber Box

Rubber Box are leading manufacturers and suppliers of power distribution boxes to events venues, film, television and entertainment

Typical Temporary Power Distribution For Live Entertainment

Motion Laboratories offers portable electronic fabrication and assembly including Powersafe Connectors, Phase 3 Connectors and

How power distribution works behind the scenes at film and TV sets

Our bespoke power distribution boxes are designed from the ground up to meet the specific needs of your production. You can

An Introduction to Power Distribution for Film Lighting

They are usually little black metal boxes with a male and female CEE connector at either end (16A for 2.5KW, 32A for 5KW), a power

The 10 Best Power Distribution Boxes for Film Sets: Reliable Solutions ...

Learn about the top ten power distribution boxes that ensure your film set runs smoothly, even in the toughest

Electrical Distribution/Distro Boxes

Invest in a quality distribution box if you're working away from a set or studio, or in any environment where

Movie Power Distribution | Valid Manufacturing Ltd.

An effective, reliable and sustainable source of power boasting quiet operation, Valid's movie power distribution serves as an

All About the Electrical Department in Film

Interviewing Frank LaFrazia was so fun! We get into what the Electrical Department

Film Crew Positions: Ultimate Guide to Everyone on a

This article will briefly discuss the film crew positions in a typical production. If you are new

Understanding Electricity Basics for Film Sets

Understanding Electricity Basics for Film Sets Step up your gaffing game with these necessary tips for lighting and

Outdoor Cut Outs and Distribution Boxes

Lucy Electric's range of low voltage outdoor cut outs and distribution boxes is engineered for durability, safety, and ease of

What Is a Distribution Box?

With replaceable receptacles, distribution boxes are versatile. You can customize them to match your electrical

Wiring of the Distribution Board with RCD ...

The above mentioned electrical wiring accessories and protective devices are used to control and distribute electric supply (safely to

60A CineBox™ Lunchbox | Portable Film Distro Box

60A CineBox™ Lunchbox with Stage Pin feed-thru and 5 Edison duplex outputs.
Compact portable distro

On Set Power Distribution

On Set Power Distribution supplies the crucial terms and techniques you need to succeed in production as a set electrician. Starting

Entertainment Power Distribution Products | LEX

LEX™ offers a variety of world-class power distribution equipment products to withstand the rigors of

Studio-Location Product Series | LEX Innovations

Lex Products delivers portable power distribution solutions for film, motion pictures and television

Studio-Location Product Series | LEX Innovations

PowerHOUSE™ Portable Distribution Boxes PowerHOUSE portable power distribution boxes are the first

Contact Us

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