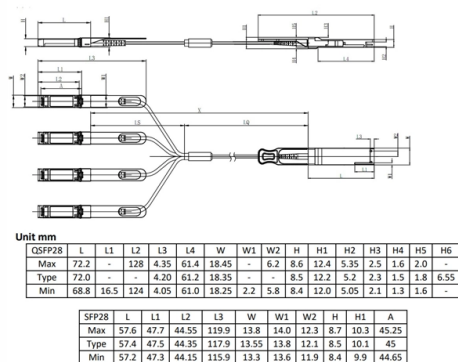


Instructions for using 220V power supply at communication sites



AI Overview

Safe use of a 220V power supply at communication sites requires proper cable selection, protective devices, distribution boards, grounding, and adherence to safety protocols.

Cable Selection and Installation

Overhead Cables: Use robust, pliable, and armored cables with an insulating outer sheath. PVC-insulated wire-armored cables are common, and all terminations must include efficient protective devices such as fuses or circuit breakers.

Underground Cables: Armored PVC cables should be buried at a safe depth with clearly marked routes on site plans. Ensure proper termination and circuit protection.

Distribution Cabling: Multi-strand, multi-core armored or flexible PVC cables are recommended. Avoid long trailing cables and keep power and lighting circuits separate.

Distribution Boards (DB) Install DBs in weatherproof, secure locations to prevent unauthorized access. Clearly label each circuit and provide a circuit diagram at each board. Ensure DBs are mounted on metal frames, not combustible materials, and cover plates are installed to prevent exposure to live parts. Limit extension leads to no more than 30 meters from the DB to equipment. Display a Certificate of Compliance (COC) issued by a competent person on the outside of the DB box.

Protective Devices and Grounding Use H.C. fuses or molded circuit breakers to protect circuits. Ensure proper grounding of all equipment and DBs to prevent electric shock. Disconnecting means should be visible and capable of isolating both motors and controllers.

Personal Protective Equipment (PPE) Insulated gloves and footwear to prevent electric shocks. Safety glasses and hard hats to protect against sparks and falling objects. Fire-resistant clothing for protection against electrical fires.

Operational Safety Only authorized personnel should handle installation, maintenance, or removal of covers on electrical equipment...

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Revised guidance aligned to the health and safety when handling electrical devices on construction sites.

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Proper installation involves site assessment, professional setup, safety inspections, and compliance with local regulations to prevent hazards. Regular maintenance, power usage monitoring, and routine

220V vs 110V for Servers & Workstations

220V or 110V for Servers and Workstations First, we want to preface, Exxact is not responsible for ensuring that you have adequate electricity for your system and

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