

**Mine Safety and Health Admin., Labor**

**§ 57.12067**

**§ 57.12039 Protection of surplus trailing cables.**

Surplus trailing cables to shovels, cranes and similar equipment shall be—

- (a) Stored in cable boats;
- (b) Stored on reels mounted on the equipment; or
- (c) Otherwise protected from mechanical damage.

**§ 57.12040 Installation of operating controls.**

Operating controls shall be installed so that they can be operated without danger of contact with energized conductors.

**§ 57.12041 Design of switches and starting boxes.**

Switches and starting boxes shall be of safe design and capacity.

**§ 57.12042 Track bonding.**

Both rails shall be bonded or welded at every joint and rails shall be crossbonded at least every 200 feet if the track serves as the return trolley circuit. When rails are moved, replaced, or broken bonds are discovered, they shall be rebonded within three working shifts.

**§ 57.12045 Overhead powerlines.**

Overhead high-potential powerlines shall be installed as specified by the National Electrical Code.

**§ 57.12047 Guy wires.**

Guy wires of poles supporting high-voltage transmission lines shall meet the requirements for grounding or insulator protection of the National Electrical Safety Code, part 2, entitled "Safety Rules for the Installation and Maintenance of Electric Supply and Communication Lines" (also referred to as National Bureau of Standards Handbook 81, Nov. 1, 1961), and Supplement 2 thereof issued March 1968, which are hereby incorporated by reference and made a part hereof. These publications and documents may be obtained from the National Institute of Science and Technology, 100 Bureau Drive, Stop 3460, Gaithersburg, MD 20899-3460. Telephone: 301-975-6478 (not a toll free number); <http://ts.nist.gov/nvl>; or from the Government Printing Of-

fice, Information Dissemination (Superintendent of Documents), P.O. Box 371954, Pittsburgh, PA 15250-7954; Telephone: 866-512-1800 (toll free) or 202-512-1800; <http://bookstore.gpo.gov>, or may be examined in any Metal and Nonmetal Mine Safety and Health District Office of the Mine Safety and Health Administration.

[53 FR 32526, Aug. 25, 1988, as amended at 60 FR 35695, July 11, 1995; 71 FR 16667, Apr. 3, 2006]

**§ 57.12048 Communication conductors on power poles.**

Telegraph, telephone, or signal wires shall not be installed on the same crossarm with power conductors. When carried on poles supporting powerlines, they shall be installed as specified by the National Electrical Code.

**§ 57.12050 Installation of trolley wires.**

Trolley wires shall be installed at least seven feet above rails where height permits, and aligned and supported to suitably control sway and sag.

**§ 57.12053 Circuits powered from trolley wires.**

Ground wires for lighting circuits powered from trolley wires shall be connected securely to the ground return circuit.

**SURFACE ONLY**

**§ 57.12065 Short circuit and lightning protection.**

Powerlines, including trolley wires, and telephone circuits shall be protected against short circuits and lightning.

**§ 57.12066 Guarding trolley wires and bare powerlines.**

Where metallic tools or equipment can come in contact with trolley wires or bare powerlines, the lines shall be guarded or deenergized.

**§ 57.12067 Installation of transformers.**

Transformers shall be totally enclosed, or shall be placed at least 8 feet above the ground, or installed in a transformer house, or surrounded by a substantial fence at least 6 feet high