§ 111.81–3
(b) An outlet box must be at each outlet, switch, receptacle, or junction point.
(c) Each outlet or junction box must have a cover unless a fixture canopy, switch cover, receptacle cover, or other cover is used.
(d) As appropriate, each outlet-box or junction-box installation must meet the following standards, all of which are incorporated by reference (see 46 CFR 110.10–1): Article 314 of NFPA NEC 2002; UL 50; UL 514A, UL 514B, and UL 514C; IEC 60092-101; IEC 60092-201; IEC 60092-306; IEC 60092-352; 60092-401; and IEC 60092-502.
(e) Each outlet or junction box must be securely attached to its mounting and be affixed so as to maintain its designated degree of protection.
(f) Each outlet and junction box must be suitable for the environment in which it is installed and be constructed to the appropriate NEMA or IEC standard.

§ 111.81–3 Cables entering boxes.
Each cable entering a box or fitting must be protected from abrasion and must meet the following:
(a) Each opening through which a conductor enters must be closed.
(b) Cable armor must be secured to the box or fitting.
(c) Each cable entrance in a damp or wet location must be made watertight by a terminal or stuffing tube.

Subpart 111.85—Electric Oil Immersion Heaters

§ 111.85–1 Electric oil immersion heaters.
Each oil immersion heater must have the following:
(a) An operating thermostat.
(b) Heating elements that have no electrical contact with the oil.
(c) A high temperature limiting device that:
   (1) Opens all conductors to the heater;
   (2) Is manually reset; and
   (3) Actuates at a temperature below the flashpoint of the oil.
(d) Either—
   (1) A low-fluid-level device that opens all conductors to the heater if the operating level drops below the manufacturer’s recommended minimum safe level; or
   (2) A flow device that opens all conductors to the heater if there is inadequate flow.

Subpart 111.87—Electric Air Heating Equipment

§ 111.87–1 Applicability.
This subpart applies to electrically energized units or panels for heating a room or compartment. This subpart does not apply to electrically energized units for heating the air in an enclosed apparatus, such as a motor or controller.

§ 111.87–3 General requirements.
(a) Each electric heater must meet applicable UL 484 or UL 1042 construction standards (both incorporated by reference; see 46 CFR 110.10–1) or equivalent standards under § 110.20–1 of this chapter.
(b) Each heater element must be an enclosed type. The heater element case or jacket must be of a corrosion-resistant material.
(c) Each heater must have a thermal cutout of the manually-reset type that prevents overheating and must have a thermal regulating switch.