partitioned by a grounded metal barrier from other non-intrinsically safe electric cables, or a shielded or metallic armored cable; and
(2) Not contain conductors for non-intrinsically safe systems.
(c) As part of plan approval, the manufacturer must provide appropriate installation instructions and restrictions on approved system components. Typical instructions and restrictions include information addressing—
(1) Voltage limitations;
(2) Allowable cable parameters;
(3) Maximum length of cable permitted;
(4) Ability of system to accept passive devices;
(5) Acceptability of interconnections with conductors or other equipment for other intrinsically safe circuits; and
(6) Information regarding any instructions or restrictions which were a condition of approval of the system or its components.
(d) Each intrinsically safe system must meet ISA RP 12.6 (incorporated by reference, see 46 CFR 110.10–1), except Appendix A.1.

§ 111.105–17 Wiring methods for hazardous locations.
(a) Through runs of marine shipboard cable meeting subpart 111.60 of this part are required for all hazardous locations. Armored cable may be used to enhance ground detection capabilities. Additionally, Type MC cable may be used subject to the restrictions in § 111.60–23.
(b) Where conduit is installed, the applicable requirements of either NFPA NEC 2002 (incorporated by reference; see 46 CFR 110.10–1) or the IEC 60079 series (as defined in § 111.105–1 and incorporated by reference; see 46 CFR 110.10–1) must be followed.
(c) Each cable entrance into explosionproof or flameproof equipment must be made with dust-tight cable entrance seals approved for the installation.
(d) Each cable entrance into Class II and Class III (Zone 10, 11, Z, or Y) equipment must be made with dust-tight cable entrance seals approved for the installation.

§ 111.105–19 Switches.
A switch that is explosionproof or flameproof, or that controls any explosionproof or flameproof equipment, under § 111.105–19 must have a pole for each ungrounded conductor.

§ 111.105–21 Ventilation.
A ventilation duct which ventilates a hazardous location has the classification of that location. Each fan for ventilation of a hazardous location must be nonsparking.

§ 111.105–27 Belt drives.
Each belt drive in a hazardous location must have:
(a) A conductive belt; and