1. A minimum cable length of 300 meters or 1,000 feet is allowed to connect any single I.S. device to the associated apparatus. The total allowable cable length shall include at least one of the following: a) the associated apparatus b) 2,500 meters or 8,200 feet.

2. Each cable (or wiring) used to connect I.S. devices to the controller shall not exceed a current of 3.8 mA per meter or 100 mA.

3. The total cable capacitance combining all of the cables used to connect the individually safe devices to the associated apparatus must not exceed 5 µF.

4. Each cable must not exceed an inductance of 0.656 mH per meter or 0.2 mH.

5. The L/C ratio of the cable must not exceed 200 µH/m.

6. Each I.S.-300 console must be installed in a hazardous area of less than 1.0 mm. The console is designed to be connected to the I.S. devices through a 2-wire or 3-wire connection. The console is supplied with an AC/DC power source.

7. The I.S.-300 console is not supplied with any power supply device or any other electrical device.

8. A connection to the earth ground bus of the power distribution panel must be made with a 4 mm² BVR (10 AWG) cable (for longer conductors, grounding must comply with EN 6075-12, Clause 1.1.10.4, "Electrical Installations").

9. The symbol G indicates a field wiring connection being a weatherproof junction box.

10. A field wiring shall be performed to determine if the installation location is exposed to lightning or other sources if necessary and protection against electrical shock, other electrical sources, and other electrical sources. If necessary, protection against electrical shock, other electrical sources, and other electrical sources shall be installed in a suitable location. The field wiring shall be as close as possible to the boundary with Zone 2. The field wiring shall be as close as possible to the boundary with Zone 2.

11. The field wiring shall be installed to determine the suitability of the individual safety device. The individual safety device used in this system must comply with the following requirements:
   a) Constructed of passive components only for example switches, junction boxes, and indicators.
   b) Constructed without any sources of ignition, such as relays, generators, and indicators.
   c) Constructed without any sources of ignition, such as relays, generators, and indicators.
   d) If connected to a metal line, the individual safety device shall be capable of withstanding the test voltage to earth in accordance with EN 60079-11, Clause 1.1.10.4, "Electrical Installations".
   e) Non-metallic enclosures and enclosures of light metals must comply with EN 60079-0, Clause 8.2.1. EN 60079-26, Clause 4.3.3.
   f) Based on the available power within the system, the individual safety device shall be electrically connected to the power supply voltage or current. For example, the individual safety device shall be connected to the power supply voltage or current.

12. The cable shall be a suitable power connection in accordance with EN 60204-1.

13. The cable shall be suitable for use as a flexible cord and as defined in the Certificate of Conformity and the UK Electrical Safety Standard.