THE MINIMUM CABLE LENGTH CONNECTING THE BATTERY PACK TO THE RF TRANSMITTER SHALL NOT EXCEED 7.62 METERS OR 25 FEET.

2. A MINIMUM CABLE LENGTH OF 30 METERS OR 100 FEET IS ALLOWED TO CONNECT THE SINGLE UNIT DEVICES. THE TOTAL ALLOWABLE CABLE LENGTH FOR CONNECTING ALL OF THE SINGLE UNIT DEVICES TO THE RF TRANSMITTER IS 305 METERS OR 1,000 FEET.

3. EACH CABLE (OR WIRE) USED TO CONNECT A DEVICE TO THE RF TRANSMITTER MUST NOT EXCEED A CAPACITANCE OF 128 pF PER 100 m per WATT.

4. THE TOTAL CABLE CAPACITANCE CONNECTED TO THE INTRINSICALLY SAFE DEVICES TO THE ASSOCIATED APPARATUS MUST NOT EXCEED 300 pF.

5. EACH CABLE MUST NOT EXCEED AN INDUCTANCE OF 0.856 pH PER Meter OR 0.2 pH PER FOOT.

6. THE LINER LENGTH OF THE CABLE MUST NOT EXCEED 200 pF PER METER.


8. IT IS THE RESPONSIBILITY OF THE INSTALLER TO DETERMINE COMPLIANCE OF SINGLE APPARATUS. SINGLE APPARATUS USED IN THIS SYSTEM MUST CONFORM TO THE FOLLOWING REQUIREMENTS:
   a) Conceived of passive components only, for example switches, junction boxes and terminations.
   b) Constructed without any sources of either energy such as batteries, generators and isolators.
   c) Constructed without sources of generated energy that produce more than 50 mW at 250 mV or sources that contain a means of increasing the voltage.
   d) If constructed with a metallic housing the single apparatus shall be capable of withstanding the test voltage to earth in accordance with EN 60079-11, clause B.3.1.2. The strength requirement shall be tested in accordance with EN 60079-11, clause 7.2.
   e) Non-metallic enclosures and enclosures of light metals shall comply with EN 60079-11 sections 7.6 and 7.8.2 in EN 60079-11 clause 7.6.
   f) Based on the available power within the system, single apparatus that have electrical components that exceed 20 sq mm in total surface area may be assessed as having a temperature code at the specified ambient temperature range of -10°C to +40°C. Other types of single apparatus must be assessed in accordance with EN 60079-11, clause B.3.1.2.
   g) Single apparatus shall not contain any means of increasing the available voltage or current for example to do so by transformers.

9. CABLE GROUND MUST BE A SINGLE GROUND CONNECTION IN ACCORDANCE WITH EN 60079-11.

10. SPECIAL CERTIFICATION FOR SAFE USE IS AVAILABLE AND SHOULD BE REFERRED TO THE CERTIFICATE OF COMPLIANCE AND THE SITE PREPARATION GUIDE. MODEL NO. 357912-376 MUST BE TAKEN INTO ACCOUNT.

11. THIS SYSTEM DESCRIPTIVE DOCUMENT DESCRIBES THE INTRINSICALLY SAFE EQUIPMENT AND ASSOCIATED APPARATUS THAT TOGETHER FORM AN INTRINSICALLY SAFE SYSTEM.

12. THE RF TRANSMITTER IS IDENTIFIED BY FORM NO. 357912-376. THE BATTERY PACK IS IDENTIFIED BY FORM NO. 357912-376. THE BATTERY PACK CANNOT BE CONNECTED TO ANY ELECTRICAL POWER SOURCES OTHER THAN THE BATTERY PACK.

13. REFER TO THE NAME OF CERTIFICATION FOR APPARATUS CONFORMING EN 60079-11.

14. THIS SUBLT IS IDENTIFIED AS FIELD ASSEMBLING IN ACCORDANCE WITH THE INTRINSICALLY SAFE EQUIPMENT AND APPLIANCES EN 60079-11. MULTIPLE SOURCES OF POWER AND INTRINSICALLY SAFE DEVICES CANNOT BE CONNECTED TO THE SAME INTRINSICALLY SAFE APPARATUS.

15. TLS RADAR RECEIVERS MUST BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS. ONLY ONE TLS RADAR RECEIVERS CAN BE CONNECTED TO ANY INTRINSICALLY SAFE DEVICES AS DESCRIBED IN THIS DOCUMENT. MULTIPLE SOURCES OF POWER AND INTRINSICALLY SAFE DEVICES CANNOT BE CONNECTED TO THE SAME INTRINSICALLY SAFE DEVICES.

16. THE NAG PLUG SERIES ARE DESIGNED TO BE USED IN ZONE 2 AND ZONE 22. WHEN USED IN THIS SYSTEM THE DEVICES ARE LIMITED TO GROUP I.

17. REFER TO THE NAME OF CERTIFICATION FOR APPARATUS CONFORMING EN 60079-11.