



## DESIGN CRITERIA FOR DELTA-THERM CABLE PRODUCTS FOR USE IN CLASS I, DIVISION I: GROUP B, C, AND D LOCATIONS FLAMMABLE GASES AND VAPORS

Date: \_\_\_\_\_

Customer Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Plant Location of Application: \_\_\_\_\_

Job No.: \_\_\_\_\_

Customer's Representative: \_\_\_\_\_

Representative's Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Application Information: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Project Phase: \_\_\_\_\_

Quote Due By: \_\_\_\_\_

### Lines 1, 2, 3, 7 and either 4, 5, or 6 must be completed.

1. What is the minimum allowable process fluid?  
\_\_\_\_\_ °F \_\_\_\_\_ °C

2. What is the maximum allowable process fluid?  
\_\_\_\_\_ °F \_\_\_\_\_ °C

3. What is the ambient temperature range?  
\_\_\_\_\_ °F ( \_\_\_\_\_ °C) to \_\_\_\_\_ °F ( \_\_\_\_\_ °C)

4. What is the process fluid in the pipe? \_\_\_\_\_  
A. Other fluids or gas in the area which causes area  
to be listed as Class I Division I.  
\_\_\_\_\_

5. What is the process fluid auto ignition temperature?  
\_\_\_\_\_ °F \_\_\_\_\_ °C

6. What are the other fluids or gas in the area which cause  
area to be listed as Class I and Division I?  
a. \_\_\_\_\_

7. What is the Class I, Division I group? \_\_\_\_\_  
What is the temperature ID number? \_\_\_\_\_  
A. What are the other fluid or gas in the area which  
cause area to be listed as Class I Division I? \_\_\_\_\_  
\_\_\_\_\_

8. What are the run lengths? \_\_\_\_\_  
\_\_\_\_\_

9. What is the process pipe size? \_\_\_\_\_  
What is the temperature ID number? \_\_\_\_\_

10. What type of insulation is being used? \_\_\_\_\_  
What is the thickness of insulation? \_\_\_\_\_

11. What voltages are available? \_\_\_\_\_

12. What cable type is preferred?\*

- Mineral Insulated (M.I.)
- Self-Regulating (SR)
- Constant Watt (CW)

### \* Process fluid may indicate selection of cable type

Signature \_\_\_\_\_

Company \_\_\_\_\_

Please fax this form to: (847) 526-4456  
On-line form can be submitted on [www.delta-therm.com](http://www.delta-therm.com)

**PLEASE FAX OR E-MAIL [INFO@DELTA-THERM.COM](mailto:INFO@DELTA-THERM.COM)  
THE DRAWING(S) FOR THE PROJECT**