

# ELECTRODE ASSEMBLIES & FLAME SENSING ELECTRODES

We have a comprehensive understanding of flame sense and ignition applications. We provide helpful advice and complete solutions to customers every day.



**Innovation.** Leadership.  
Experience. Design.

We're a leading designer and manufacturer of ignition systems and safety controls for manufacturers worldwide. Our expert design and engineering group can help you get new products to market quickly and cost-effectively. Customers choose Channel Products for integrity, leadership, customer service, and independent thought. We think big and move fast. It's this agility that provides Channel Products with the momentum to contribute to the success of our customers. For more information, contact us to arrange an introduction.



## CHANNEL

*Think Big. Move Fast.*



### Electrode Rod Materials Available:

- Nichrome
- Kanthal D
- Kanthal A1
- Kanthal APM
- Additional Custom Materials Available

### Ceramic Insulator Material Available:

Alumina

Ceramic standard sizes available:

(A) .260" diameter

Available for .064" rod diameter electrode rods

(B) .312" diameter

Available for .064" .081" or .114" diameter rods

(C) .367" diameter

Available .114" diameter electrode rods

**Note: Custom Insulator Sizes Are Available**

### Electrode Terminal Options:

(A) .250" X .032" (available on .114" and .081" rod diameters only)

(B) .187" X .032" (available on .114" and .081" rod diameters only)

(C) .110" X .032" (available on .064" rod diameter only)

(D) Spark plug (.250" round)

(A) High voltage (25kVDC):

(1) UL 3257 250°C Silicone insulation

(2) UL 1911 250°C Teflon insulation

(3) UL 3575 200°C Silicone-glass braid

(B) Low voltage:

(1) UL 1659 250°C Teflon insulation

(2) UL 1332 200°C Teflon insulation

(3) UL 1333 140°C Teflon insulation



Our engineering group has over 200 years of combined experience applying ignition systems to appliances in all market segments. We guarantee we can design a solution for you! Custom work is our specialty because no two appliances are ever the same. Contact us at [sales@channelproducts.com](mailto:sales@channelproducts.com) or 440-423-0113 to schedule a meeting with our engineering consultants.

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