R.K. Instruments & Controls

TECHNICAL DATASHEET

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Ignition Spark Cable Boot — 90° Ceramic Cap Connector (Small & Long)

Brand: R.K. Instruments & Controls | Category: IGNITION SPARES

Specifications

Product Type	**Ignition Spark Cable Boot — 90° L-Shaped Ceramic Cap Connector**
Coupling Electrode	**Female Rayal Ø6.35mm (Snap-On / Spring-Type)**
HV Cable Connection	**Self-Threading Screw Pin into Ø7mm Silicone HV Cable**
Dielectric Withstand Voltage	**Up to 20kV**
Insulation Body	**Glazed Industrial Ceramic**
Protection Degree	**IP10**
Mounting Position	**Any Orientation**
Small Variant (35mm)	**Depth 32mm (12.5mm socket) · Electrode Bore Ø18/Ø13.1mm ·**
Long Variant (56mm)	**Depth 32mm (13mm socket) · Electrode Bore Ø20/Ø14.5mm ·**



Description

R.K. Instruments & Controls supplies these 90° L-shaped ceramic cap connectors, used as ignition spark cable boots that terminate the HT ignition cable directly onto a burner's spark/flame-rod electrode terminal. Both variants share a Female Rayal Ø6.35mm snap-on spring coupling electrode, a self-threading screw-pin termination into Ø7mm silicone HT cable, glazed industrial ceramic insulation rated to 20kV dielectric withstand, IP10 protection, and mounting in any orientation. The Small (35mm) variant has a 32mm horizontal depth (12.5mm socket depth), Ø18mm/Ø13.1mm electrode bore, Ø15mm/Ø8mm cable-entry bore, weighs ~30g, has no EMC filter, is rated -20°C to +300°C, and is intended for ignition electrode coupling only. The Long (56mm) variant has a 32mm horizontal depth (13mm socket depth), Ø20mm/Ø14.5mm electrode bore, Ø15mm/Ø9.5mm cable-entry bore, weighs ~48g, carries an integrated 1kΩ ceramic suppressor resistor to attenuate ignition-spark EMI/EMC noise, is rated -20°C to +250°C, and is used for both ignition and flame-detection (ionization) electrodes — its built-in resistor helps prevent false flame signals and controller lockouts caused by spark-discharge interference. Both are high-temperature-ceramic alternatives to standard bakelite cap connectors for burner hoods running at elevated ambient temperatures.

Typical media compatibility: CNG, PNG, LPG, Air, Nitrogen — confirm against application before installation.